

Phase I Environmental Site Assessment

71-Acres of Vacant Land
SEC of North Hayden Road and State Route 101
Scottsdale, Arizona

Arizona State Land Department

1616 West Adams Street | Phoenix, Arizona 85007

March 27, 2020 | Project No. 605816001



Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

Phase I Environmental Site Assessment

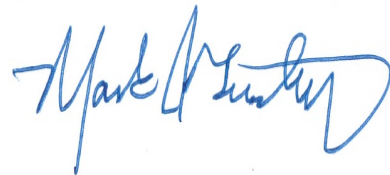
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1616 West Adams Street | Phoenix, Arizona 85007

March 27, 2020 | Project No. 605816001



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EXECUTIVE SUMMARY

Ninyo & Moore was retained by the Arizona State Land Department (ASLD) to perform a Phase I Environmental Site Assessment (ESA) on the 71-Acres of Vacant Land located at the southeastern corner of North Hayden Road and State Route 101, in Scottsdale, Maricopa County, Arizona (the Site). The Site is comprised of approximately 71-acres of land, and is identified by Maricopa County Assessor's Parcel Number 215-07-210B.

The objective of this Phase I ESA is to identify, to the extent feasible pursuant to the process described in ASTM International (ASTM) Practice E1527-13, recognized environmental conditions (RECs), which are defined by ASTM as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

The results of this Phase I ESA are detailed below:

- Historical research revealed that the Site was native desert land from at least 1949 until sometime around 2002 when the Arizona State Route 101 construction began north of the Site and the southwestern portion of the Site was graded. By 2007, the majority of the Site was graded and covered with gravel and residential and commercial development had occurred south of the Site. Sometime around 2007 the Site was utilized as a temporary staging and storage area for nearby events such as golf tournaments and remained relatively unchanged to the time of the Site reconnaissance.
- On March 2, 2020, Mr. Mark Guatney of Ninyo & Moore conducted a reconnaissance of the Site. The reconnaissance involved a visual inspection of the Site, and observations of adjoining properties. Mr. Guatney was unaccompanied during the Site reconnaissance. At the time of the Site reconnaissance, the Site was observed as unoccupied vacant land with no permanent structures. The western portion of the Site was being utilized as a staging area roll-off dumpster from the recent Waste Management Phoenix Open Golf Tournament, and included food service dumpsters of recyclables, and temporary wooden building materials dumpsters, and associated equipment. The majority of the Site was graded and gravel covered, with a river rock pad used as track-out dust control for construction vehicles and equipment entrance observed on the southwestern corner of the Site. During the Site reconnaissance, a construction crew was active trenching and installing underground corrugated stormwater piping on the central portion of the Site. Construction materials and equipment were being staged near the trenching area on the Site.
- An approximately 10,000-gallon capacity tilted construction water tank was observed on the southeastern corner of the Site. No other indications of aboveground storage tanks (ASTs), underground storage tanks (USTs), or hazardous material spills or leaks, were observed during the Site reconnaissance.

- Two areas of overgrown desert vegetation and brush were observed on the northwestern and eastern portions of the Site. Some soil, asphalt millings, and landscape debris stockpiles were also observed on the Site. A small burned debris pile was observed on the northwestern portion of the Site, and a debris pile of copier and computer debris was observed on the eastern portion of the Site. No staining or hazardous materials spills were observed on or near the stockpiles or debris piles observed. Electronics recycling of the copier and computer debris pile is recommended.
- The City of Scottsdale provides potable water and municipal sewer services to the surrounding areas.
- Based on our Site visit, there are currently no wells on the Site.
- Ninyo & Moore did not observe quantities of hazardous substances or petroleum products used or stored on Site during our Site reconnaissance.
- Review of an environmental database report obtained for this project indicated that the Site is not listed on the regulatory databases researched by Environmental Data Resources Inc. (EDR).
- One off-site facility was located within the EDR search radius from the Site. The listed facility is not considered to be a REC to the Site at this time based on several factors, including distance from the site, location relative to the regional groundwater flow direction (e.g. hydraulically downgradient or crossgradient to the site), database listing type, and affected media (soil only). Refer to Section 8.2 for additional information regarding potential off site facilities of concern.
- Based on the completion of the Vapor Encroachment Condition (VEC) screening matrix, it is presumed unlikely that a VEC currently exists beneath the site.
- An environmental lien or activity and use limitations (AULs) search was not requested for this ESA.
- Ninyo & Moore's review of the ADEQ Arizona Unified Repository for Informational Tracking of Environment (AZURITE) database and did not identify Declaration of Environmental Use Restriction (DEUR), a Voluntary Environmental Mitigation Use Restriction (VEMUR), or records of drywells, USTs, or leaking USTs for the Site.

CONCLUSIONS

Ninyo & Moore has performed this ESA in conformance with the scope and limitations of ASTM E1527-13 of the 71-acres of vacant land located at the southeastern corner of North Hayden Road and State Route 101, Scottsdale, Maricopa County, Arizona (the Site). Based on the information compiled during the preparation of this report, this assessment has revealed no evidence of RECs in connection with the Site at this time.

RECOMMENDATIONS

Ninyo & Moore recommends electronic recycling of the small pile of copier and computer debris observed in the northeast portion of the Site.

Based on the findings of this ESA, no further investigation is recommended at this time.

1. INTRODUCTION

Ninyo & Moore was retained by the Arizona State Land Department (ASLD) to perform a Phase I Environmental Site Assessment (ESA) on the 71-Acres of vacant land located at the southeastern corner of North Hayden Road and State Route 101, in Scottsdale, Maricopa County, Arizona (the Site).

1.1. Purpose

In accordance with ASTM E1527-13, the objective of the ESA is to identify recognized environmental conditions. The term recognized environmental conditions (RECs) means "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions."

Identification of RECs will fall into three categories: existing REC (as defined above), Historical REC (HREC), or Controlled REC (CREC).

- HREC - An HREC is defined as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations (AULs), institutional controls, or engineering controls)."
- CREC - A CREC is defined as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, AULs, institutional controls, or engineering controls)."

1.2. Involved Parties

Mr. Mark Guatney, Principal Engineer and Environmental Operations Manager of Ninyo & Moore, conducted the reconnaissance of the Site. Mr. Christian Lewallen, Project Geologist of Ninyo and Moore, performed historical research, regulatory inquiries, and prepared this report. Mr. Mark Guatney, provided project oversight and senior quality review for this report. Credentials of these individuals are included in Appendix A.

1.3. Scope of Work

Ninyo & Moore's scope of services for this ESA included the following:

- Performance of a Site reconnaissance to visually and/or physically observe the interior and exterior of structures and other features on the site as well as visible exterior features of adjoining properties to identify areas of possibly contaminated surface soil or surface water, improperly stored hazardous materials, possible sources of polychlorinated biphenyls (PCBs), and possible risks of contamination from activities at the Site and adjoining properties.
- Review of reasonably ascertainable standard environmental record sources including federal, state, and tribal regulatory agency databases for the site and for properties located within a specified radius of the Site. The purpose of this review was to evaluate possible environmental impacts to the Site and site vicinity activities. These databases list locations of known hazardous waste sites, landfills, leaking underground storage tanks (LUSTs), permitted facilities that utilize LUSTs, and facilities that use, store, or dispose of hazardous materials and/or petroleum products.
- Review of reasonably ascertainable additional environmental record sources including local records and/or additional state or tribal records for the Site and for properties located within a specified radius of the Site. The purpose of this review was to evaluate possible environmental impacts to the Site and Site vicinity activities. These databases list locations of known hazardous waste sites, solid waste landfills, registered storage tanks, emergency releases, contaminated public wells, and facilities that use, store, or dispose of hazardous materials and/or petroleum products.
- Review of reasonably ascertainable standard physical setting sources including a current United States Geological Survey (USGS) 7.5-minute topographic map, and possibly including USGS and/or state groundwater and geologic maps, and soil maps. The purpose of this review was to note information about the geologic, hydrologic, and/or topographic characteristics of the Site and Site vicinity.
- Review of reasonably ascertainable historical documents may include aerial photographs, historical fire insurance rate maps, city directories, and property tax files, as available. The purpose of this review was to review obvious uses of the Site from the present, back to the Sites first developed use, or back to 1940, whichever is earlier.
- Performance of interviews with present owners, operators, and occupants of the Site as well as other knowledgeable parties as appropriate. The purpose of these interviews is to obtain information regarding potential RECs in connection with the Site.
- Perform a preliminary vapor encroachment screening assessment on the Site and adjoining properties.
- Preparation of this ESA report documenting methodology, reporting findings, significant data gaps, and conclusions, and providing opinions of the impact on the Site of conditions noted in the findings section regarding RECs at the Site.

1.4. Limitations and Exceptions

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

The findings, opinions, and conclusions are based on an analysis of the observed site conditions and the referenced literature. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control. Ninyo & Moore cannot warrant or guarantee that not finding indicators of any particular hazardous material means that this particular hazardous material or any other hazardous materials do not exist on the site. Additional research, including invasive testing, can reduce the uncertainty, but no techniques now commonly employed can eliminate the uncertainty altogether.

1.5. Special Terms and Conditions

As indicated in Section 13.1.5 of ASTM E 1527-13, the following represents non-scope considerations, and therefore, were not addressed in this report: asbestos-containing materials, radon, lead-based paint, lead in drinking water, regulatory compliance, industrial hygiene, health and safety, indoor air quality (e.g., vapor intrusion), and biological agents. In addition, Ninyo & Moore did not address interpretations of zoning regulations, building code requirements, or property title issues.

1.6. User Reliance

This report may be relied upon by, and is intended exclusively for the ASLD. Any use or reuse of the findings, opinions, and/or conclusions of this report by parties other than the client is undertaken at said parties' sole risk.

1.7. Physical Limitations

No physical limitations were encountered during the Site reconnaissance.

1.8. Data Gaps

A data gap is a lack of or inability to obtain data required by this practice despite good faith efforts to gather such data. In completing this ESA, Ninyo & Moore encountered the following data gaps:

- Previous Site owners were not readily available or interviewed for this ESA. Based on the overall findings of this ESA, Ninyo & Moore concluded interviews with these previous Site owner(s) would be unlikely to provide additional information material to identifying RECs for the Site.
- Some historical records, including historical aerial photographs, were not readily available for review in 5-year intervals and were limited or unavailable for the years prior to 1930. In addition, due to the rural nature of the Site, Sanborn Fire Insurance Maps were not available for the Site. Based on information obtained from other sources, and the overall findings of this Phase I ESA, Ninyo & Moore concluded this data gap did not significantly impact Ninyo & Moore's ability to identify RECs associated with the Site.

2. SUBJECT SITE

The following paragraphs describe the Site, the general Site setting, and observations made during the Site reconnaissance.

2.1. Site Description and Reconnaissance

At the time of the Site reconnaissance, the Site was observed as unoccupied vacant land with no permanent structures. The western portion of the Site was being utilized as a staging area for roll-off dumpsters from the recent Waste Management Phoenix Open Golf Tournament, and included food service dumpsters of recyclables, and temporary wooden building materials dumpsters, and associated equipment. The majority of the Site was graded and gravel covered, with a river rock pad used as track-out dust control for construction vehicles and equipment entrance observed on the southwestern corner of the Site. During the Site reconnaissance, a construction crew was actively trenching and installing underground corrugated stormwater piping on the central portion of the Site. Construction materials and equipment were being staged near the trenching area on the Site. The Site Location is presented on Figure 1, and the Site Plan with additional information concerning the Site and surrounding properties is presented on Figure 2.

2.2. General Site Setting

The Site is located at the southeastern corner of North Hayden Road and State Route 101, in Scottsdale, Maricopa County, Arizona, and surrounded by residential and commercial development. According to the Maricopa County Assessor's web page, the Site is currently zoned as PCD (Planned Community District).

2.2.1. Location

The Site is situated at the southeastern corner of the intersection of North Hayden Road and State Route 101, in Scottsdale, Arizona.

2.2.2. Gross Site Area

According to information provided by Maricopa County Assessor's web page, the Site is approximately 71 acres in size.

2.2.3. Site Development

At the time of the Site reconnaissance, the Site was observed as unoccupied vacant land with no permanent structures. The western portion of the Site was being utilized as a staging area for roll-off dumpsters from the recent Waste Management Phoenix Open Golf Tournament, and included food service dumpsters of recyclables, and temporary wooden building materials dumpsters, and associated equipment. The majority of the Site was graded and gravel covered, with a river rock pad used as track-out dust control for construction vehicles and equipment entrance observed on the southwestern corner of the Site. During the Site reconnaissance, a construction crew was actively trenching and installing underground corrugated stormwater piping on the central portion of the Site. Construction materials and equipment were being staged near the trenching area on the Site. Key on-Site observations are discussed in Section 2.3 below.

2.2.4. Roads

As shown on Figure 2, the Site is situated at the southeastern corner of the intersection of North Hayden Road and State Route 101 in Scottsdale, Arizona. A river rock-covered construction entrance and exit was observed on the southwestern corner of the Site, specifically at the northeastern corner of the intersection of North Hayden Road and East Mayo Boulevard. East Mayo Boulevard bounds the Site to the south, which changes names to East Union Hills Drive east of North Perimeter Drive, along the eastern end of the Site.

2.2.5. Building Description

At the time of the reconnaissance, no buildings were observed on the Site.

2.2.6. Source of Potable Water

The City of Scottsdale provides potable water to the Site vicinity.

2.2.7. Sewage Disposal System

The City of Scottsdale provides municipal sewer service to the surrounding areas.

2.2.8. Utilities

The following utilities are provided to the Site vicinity:

- Water: City of Scottsdale
- Sewer: City of Scottsdale
- Electricity: Arizona Public Service (APS)
- Natural Gas: Southwest Gas

2.3. Site Reconnaissance

On March 2, 2020, Mr. Mark Guatney, Principal Engineer and Environmental Operations Manager of Ninyo & Moore conducted a reconnaissance of the Site. The reconnaissance involved a visual inspection of the Site, and observations of adjoining properties. Mr. Guatney was unaccompanied during the Site reconnaissance. Details regarding observations made during the Site reconnaissance are summarized in the following table:

Site Reconnaissance Summary			
Feature	Observed at Site (Yes/No)	Comment	Environmental Concern
Buried Debris, Debris Piles, and/or Evidence of Dumping	Yes	Some soil, asphalt millings, and landscape debris stockpiles were observed on the Site. Some furniture waste and a small burn pile were observed on the northwestern portion of the Site. A debris pile of electronic and computer debris was observed on the eastern portion of the Site. No staining or hazardous materials spills were observed on or near the stockpiles or debris piles.	No
Controlled Substances Production	No		No
Drains (other than sanitary waste drains such as sinks, showers, and toilets)	No		No
Drums and Chemical Containers (capacity greater than 5 gallons)	No		No
Drywells, Retention Basins, Stormwater Drains, or Other Stormwater Features	Yes	A construction crew was in the process of trenching and installing underground corrugated stormwater piping on the central portion of the Site. Construction materials and equipment were being staged near the trenching area on the Site. Two irrigation manhole covers for apparent sub-grade irrigation water piping were observed on the northern portion of the Site.	No
Fill Material	No		No
Generation, Storage, and/or Disposal of Hazardous Waste	No		No
Heating and Cooling Systems	No		No
High-Voltage Electrical Transmission Lines	No		No
Interceptors and/or Separators	No		No
Odors	No		No

Feature	Observed at Site (Yes/No)	Comment	Environmental Concern
On-Site Records	No		No
Other Improvements and Features	No		
Pits, Ponds, and/or Lagoons	Yes	A construction crew was in the process of trenching and installing underground corrugated stormwater piping on the central portion of the Site. Construction materials and equipment were being staged near the trenching area on the Site.	No
Pooled Liquids	Yes	Some minor puddles of meteoric and construction dust suppression water were observed on the Site.	No
Railroads/Airports	No		No
Rivers/Washes	No		No
Septic Systems	No		No
Stained Surfaces	No		No
Soil Stockpiles	Yes	Some soil, asphalt millings, and landscape debris stockpiles were observed on the Site.	No
Sources of Polychlorinated Biphenyls (PCBs)	No		No
Storage Tanks	Yes	An approximately 10,000-gallon capacity stilted construction water tank was observed near the southwestern corner of the Site.	No
Stressed Vegetation	No		No
Sumps and/or Vaults (excluding utility vaults)	No		No
Unidentified Substances and Other Environmental Concerns/Conditions	No		No
Use and Storage of Petroleum Products and Hazardous Substances	No		No
Waste Water (excluding sanitary wastes)	No		No
Water Wells	No		No

3. ADJOINING PROPERTIES

The following table lists the properties adjoining the Site and associated land use. Based on the nature of the adjoining properties, information available in agency databases, and observations made during our Site reconnaissance, it is not likely that these properties have impacted the environmental integrity of the Site at this time.

Adjoining Properties	
Location	Adjoining Properties and Associated Land Use
North	The Arizona State Route 101 and associated right-of-way infrastructure with vacant land beyond. The City of Scottsdale Water Campus and Sewage Treatment Plant is located approximately 0.25-miles northeast of the Site.
South	The East Mayo Boulevard and associated right-of-way infrastructure with Abbott Medical Equipment, a US Bank Home Mortgages office, and residential properties including single-family homes beyond.
East	The Arizona State Route 101 and associated right-of-way infrastructure with vacant land beyond.
West	The South Hayden Road and associated right-of-way infrastructure with the Celebration of Fine Art Gallery tent and vacant land beyond.

4. USER PROVIDED INFORMATION

A user questionnaire was completed by Mr. Joe Charles, of the ASLD, regarding any information the User may possess regarding the history and condition of the Site.

4.1. Environmental Cleanup Liens

Ninyo & Moore was not informed of the existence of environmental liens or AULs associated with the Site.

4.2. Activity and Use Limitations

Ninyo & Moore was not informed of the existence of environmental liens or AULs associated with the Site.

4.3. Specialized Knowledge

Mr. Charles did not disclose any specialized knowledge regarding the Site.

4.4. Valuation Reduction for Environmental Issues

Mr. Charles did not provide a response for the question regarding the sale price of the Site.

4.5. Commonly Known or Reasonably Ascertainable Information

No commonly known or reasonably ascertainable information pertaining to the Site that could assist the environmental professional in identifying RECs in connection with the Site were disclosed to Ninyo & Moore.

4.6. Degree of Obviousness of Presence or Likely Presence of Contamination

No information regarding the presence or likely presence of contamination was provided to Ninyo & Moore.

4.7. Other User Provided Information

Additional user information regarding the environmental condition of the Site was not provided to Ninyo & Moore.

5. HISTORICAL USE INFORMATION

Ninyo & Moore conducted a historical record search for the Site. This included a review of one or more of the following resources that were found to be both reasonably ascertainable and useful for the purposes of this ESA: historical aerial photographs, historical fire insurance maps, historical topographic maps, land use records, and interviews with property representatives. Although one or more of the sources listed above provided limited information regarding the historical use of the Site, the information gathered from the sources reviewed as a whole is adequate to develop a history of the previous uses of the Site and the surrounding area in accordance with Section 8.3 of ASTM E1527-13. The following sections summarize information obtained from the historical sources utilized for this assessment. The following table provides a list of historical sources reviewed for this ESA. Copies of historical research

documentation, such as fire insurance maps, historical aerial photographs, and topographic maps, are provided in Appendix D.

Summary of Historical Records Reviewed		
Data Type	Year(s)	Data Limitations
EDR Aerial Photo Decade Package (Inquiry Number 5980005.8S) Ship Date: February 20th, 2020	1949, 1954, 1957, 1962, 1964, 1976, 1979, 1980, 1986, 1997, 2007, 2010, 2013, and 2017	Aerials not available in each 5-year interval from 1949 to the present.
EDR City Directory Abstract (Inquiry Number 5980005.5S) Ship Date: February 21st, 2020	1920, 1925, 1930, 1935, 1940, 1945, 1947, 1950, 1952, 1955, 1960, 1964, 1965, 1968, 1970, 1977, 1979, 1982, 1985, 1987, 1993, 2001, 2006, 2010, and 2014	None
EDR Historical Topo Map (Inquiry Number 5980005.4S) Ship Date: February 20th, 2020	1904, 1906, 1906, 1930, 1939, 1964, 1973, 1982, and 2014	None
EDR Sanborn Map Search/Print (Inquiry Number 5980005.3S) Ship Date: February 20th, 2020	No Coverage	None
Maricopa County Assessor's Online Aerial Imagery	2019	None

5.1. Historical Aerial Photographs

Ninyo & Moore reviewed historical aerial photographs of the Site provided by EDR, and supplemented this series with a current aerial photograph from the Maricopa County collection. A listing of the photographs reviewed is presented in the following table. Copies of the historical aerial photographs are provided in Appendix D.

Summary of Aerial Photograph Review			
Year(s)	Source	Site Comments	Adjoining Area Comments
1949 to 1957	EDR	The Site appeared as vacant native desert land.	The adjoining properties appeared as vacant native desert land.
1962	EDR	Two apparent dirt trails were observed on the eastern portion of the Site. No other significant changes were observed from the 1957 aerial photograph.	No significant changes were observed from the 1957 aerial photograph.
1964	EDR	No significant changes were observed from the 1962 aerial photograph.	No significant changes were observed from the 1957 aerial photograph.
1976	EDR	An apparent dirt trail was observed on the eastern portion of the Site.	No significant changes were observed from the 1957 aerial photograph.
1979 to 1986	EDR	No significant changes were observed from the 1976 aerial photograph.	No significant changes were observed from the 1957 aerial photograph.
1997	EDR	No significant changes were observed from the 1976 aerial photograph.	The East Mayo Boulevard roadway was present south of the Site. Residential development and a commercial building were observed on the western portion of the south adjoining properties as observed during the Site reconnaissance.
2002	Maricopa County Assessor's	A graded area was observed on the southwest corner of the Site.	Construction activities were underway north of the Site for the Arizona State Route 101 right-of-way and associated infrastructure. Some apparent construction equipment and vehicles appeared to be stored just north of the Site. A gravel road was observed in the same general configuration as North Hayden Road to the west of the Site. The southern portion of the western adjoining property

Year(s)	Source	Site Comments	Adjoining Area Comments
			appeared to be graded and used as a possible storage area for roadway construction activities.
2007	EDR	The majority of the Site appeared as graded with gravel cover.	The Arizona State Route 101 right-of-way and associated infrastructure was completed north and east of the Site. The North Hayden Road right-of-way and associated infrastructure was completed west of the Site with the property beyond appeared to have been graded. The observed commercial buildings and associated parking lots were present on the eastern portion of the southern adjoining properties as observed during the Site reconnaissance.
2010	EDR	No apparent changes from the 2007 aerial photograph.	No apparent changes from the 2007 aerial photograph.
2013	EDR	No apparent changes from the 2007 aerial photograph.	A structure was present on the western adjoining property in the same configuration as the Fine Art structure observed during the Site reconnaissance.
2017	EDR	No apparent changes from the 2007 aerial photograph.	No apparent changes from the 2013 aerial photograph.
2019	Maricopa County Assessor's	No apparent changes from the 2007 aerial photograph.	No apparent changes from the 2013 aerial photograph.

5.2. Sanborn Fire Insurance Maps

Ninyo & Moore requested historic fire insurance rate maps (Sanborn Maps) of the Site through EDR. Sanborn Map coverage was not available for the Site and surrounding areas. A copy of the Sanborn Map Report is included in Appendix D.

5.3. Building Permits

No building permits were available for the Site.

5.4. Historical Topographic Maps

Ninyo & Moore reviewed historical topographic maps of the Site provided by EDR. A listing of the maps reviewed is presented in the following table. Copies of the historical topographic maps are provided in Appendix D.

Summary of Topographic Maps		
Year(s)	Quadrangle	Summary
1904 to 1939	Camelback and Cave Creek	The Site and surrounding properties appeared as vacant desert land with no structures.
1964	Currys Corner	An apparent trail or roadway was depicted on the eastern portion of the Site.
1973 and 1982	Currys Corner	No apparent changes from the 1964 topographic map.
2014	Currys Corner	No structures were depicted on the topographic map. North Hayden Road was depicted to the west and Arizona State Route 101 was depicted to the north. The East Union Hills Drive roadway was depicted to the south with apparent residential and commercial development beyond.

5.5. City Directories

Ninyo & Moore reviewed historical City Directory listings for the Site address to evaluate facilities of potential concern, which may have been historically located on the Site. A summary of notable City Directory listings for the Site and adjoining properties is presented in the following table, and the EDR City Directory abstract is provided in Appendix D.

Year(s)	Summary
1920 to 1987	The Site and adjoining properties were not listed in the city directories.
1993 to 2006	The Site was not listed in the city directories. Properties to the south of the Site were listed as residential addresses.
2010 and 2014	The Site was not listed in the city directories. Properties to the south of the Site were listed as residential and commercial.

5.6. Interviews

Mr. Joe Charles of the ASLD completed an owner/tenant questionnaire provided by Ninyo & Moore. According to Mr. Charles, no structures or buildings are located on the Site. Mr. Charles was not aware of any hazardous materials incidents, spills, leaks or violations related to the Site.

5.7. Review of Title Documents

Title documentation and historical chain-of-title reports were not provided by the ASLD for review by Ninyo & Moore during the completion of this ESA. The Site is currently owned by the ASLD.

5.8. Previous Reports and Documents

Ninyo & Moore was not provided copies of prior reports completed for the Site.

6. PHYSICAL SETTING

The following sections include discussions of geologic and soils conditions, Site hydrology, surface waters, and topography.

6.1. Geologic and Soil Conditions

The Site is located in the Sonoran Desert Section of the Basin and Range Physiographic Province, which is typified by broad alluvial valleys separated by steep, discontinuous, sub parallel mountain ranges. The mountain ranges generally trend north-south and northwest-southeast. The basin floors contain alluvium with thickness extending to several thousands of feet. These basins are filled with alluvium from the erosion of the surrounding mountains, as well as from deposition from rivers. Coarser-grained alluvial material was deposited at the margins of the basins near the mountains. The surface geology of the area is described as Quarternary surficial deposits consisting of unconsolidated to strongly consolidated alluvial and eolian deposits. This unit includes course, poorly sorted alluvial fan and terrace deposits on middle and upper piedmonts and along large drainages; sand, silt, and clay on alluvial plains and playas; and wind-blown sand deposits.

Ninyo & Moore's review of the United States Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS) online web soil survey indicated the primary soil type beneath approximately 80 percent of the Site is mapped as Momoli gravelly sandy loam with 1 to 5 percent slopes and the remaining 20 percent is mapped as the Gilman loams. A copy of the USDA NRCS Web Soil Survey report is included in Appendix E.

6.2. Site Hydrology

The following sections discuss the Site hydrology in terms of surface water and groundwater.

6.2.1. Surface Waters

Surface waters, including ponds, streams, creeks, lagoons, and other naturally-occurring bodies of water, were not observed on the Site at the time of our reconnaissance.

6.2.2. Flood Zones

Ninyo & Moore reviewed flood zone information from Federal Emergency Management Agency's (FEMA) on the FCDMC website. According to this information, the Site is located within Zone (AO) with calculated depth of 1 foot at a velocity of 3 feet per second.

6.2.3. Groundwater

According to data published by the ADWR, the approximate depth to groundwater in the area of the Site is approximately 450 feet below ground surface (bgs). The estimated depth to groundwater is based on data obtained from wells located within an approximate 1-mile radius of the Site. Based on Ninyo & Moore's interpretation of published groundwater flow contours, groundwater flow in the Site vicinity is generally to the south. Groundwater levels and flow direction can fluctuate due to seasonal variations, groundwater withdrawal or injection, and other factors.

6.3. Topographic Conditions

Based on a review of the United States Geological Survey (USGS) 7.5-Minute Topographic Quadrangle Map Series of the Currys Corner Quadrangle 2014, the Site is situated at an elevation of approximately 1,590 feet above mean sea level. The topography of the site generally slopes down towards the southwest.

7. ENVIRONMENTAL REGULATORY AGENCY INQUIRIES

To enhance and supplement the standard environmental record sources identified in Section 5.1, additional local and/or federal, state, or tribal records shall be checked when, in the judgement of the EP, such additional records (1) are reasonably ascertainable, (2) and sufficiently useful, accurate, and complete in light of the objective of the records review. Examples of additional record sources include department of health/environmental division, fire department, planning/building department, or local/regional water quality agencies. In completing this ESA, Ninyo & Moore contacted the following additional record sources:

- Arizona Department of Environmental Quality (ADEQ)
- Maricopa County Environmental Health Department (MCEHD)
- Scottsdale Fire Department

Descriptions of these agencies are provided in Sections 7.1 through 7.4 below.

7.1. State Environmental Sources

Based on Ninyo & Moore's review of the ADEQ Arizona Unified Repository for Informational Tracking of Environment (AZURITE) database did not identify a Declaration of Environmental Use Restriction (DEUR) or a Voluntary Environmental Mitigation Use Restriction (VEMUR) for the Site. Ninyo & Moore's review of the ADEQ online databases indicated there were no records of drywells, underground storage tanks (USTs), or leaking underground storage tanks (LUSTs) for the Site.

7.2. County Environmental Sources

The MCEHD was contacted regarding hazardous materials or hazardous wastes records associated with the Site. The MCEHD had no records on file for the Site. In addition, Ninyo & Moore researched the online septic permit research tool, with no septic records found for the Site.

7.3. Fire Department

Ninyo & Moore requested records for the address associated with the Site regarding fire records, hazardous materials spills, and UST permits from the Scottsdale Fire Department that may be available. At the time of the writing of this report, Scottsdale Fire Department has not provided records for the Site.

7.4. Local Regulatory Sources

In completing this ESA, Ninyo & Moore concluded that contacting additional local record sources would not provide additional useful information in determining if a REC, HREC, CREC, or *de minimis* condition exists at the Site.

8. ENVIRONMENTAL DATABASE REPORT REVIEW

Environmental Data Resources, Inc. (EDR) performed a computerized environmental information database search for the Site and Site vicinity. The EDR report included federal, state, and local databases. The review was conducted to evaluate whether or not the Site or properties within the vicinity of the Site have been listed as having experienced significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects for the Site. A summary of the environmental databases searched, their corresponding search distance, and the number of listed off-site properties of potential environmental concern to the Site are presented in the following table. A copy of the EDR Radius Map Report is presented in Appendix D.

Map Findings Summary								
Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RCRA - Small Quantity Generators		0.25	1	0	NR	NR	NR	1
Manifest Information		0.25	1	0	NR	NR	NR	1

8.1. Regulatory Database Listings for the Site

No regulatory database listings were noted for the Site.

8.2. Regulatory Database Listings for Off-Site Properties

The off-Site property/facility listed in the **Map Findings Summary** table above was evaluated as to its potential to impact soil, soil vapor, and/or groundwater at the Site. The listed property/facility was interpreted to not represent a potential environmental concern to the Site, based on its proximity to the Site, the nature of the database on which it is listed, and the assumed direction of groundwater flow in the Site vicinity (south).

9. VAPOR ENCROACHMENT/INTRUSION

Ninyo & Moore conducted a preliminary vapor encroachment screen (pVES) for potential chemicals of concern (COC). The pVES was based on the guidelines presented in the ASTM E2600-15 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions. The purpose of the pVES is to identify a vapor encroachment condition (VEC), which is the presence or likely presence of COC vapors in sub-surface soils at the Site as a result of a release of vapors from contaminated soil or groundwater either on or near the Site. The potential for VECs beneath the Site was evaluated using a Vapor Encroachment Screening Matrix (VESM). The VESM included performing a Search Distance Test to identify if there are any known or suspect contaminated sites surrounding or upgradient of the Site within specific search radii, a COC Test (for those known or suspect contaminated sites identified within the Search Distance Test) to evaluate whether or not COC are likely to be present, and a Critical Distance Test to evaluate whether or not COC in a contaminated plume may be within the critical distance of the Site (100 feet for non-petroleum hydrocarbon contaminants, and 30 feet for petroleum hydrocarbon contaminants).

Based on the completion of the VESM, it is presumed unlikely that a VEC currently exists beneath the Site. A copy of the VESM is included in Appendix H.

10. ANALYSIS AND CONCLUSIONS

Based on the results of this ESA, the following analysis and conclusions are provided.

10.1. Subject Site

Historical research revealed that the Site was native desert land from at least 1949 until sometime around 2002 when the Arizona State Route 101 construction began north of the Site and the southwestern portion of the Site was graded. By 2007, the majority of the Site was

graded and covered with gravel and residential and commercial development had occurred south of the Site. Sometime around 2007 the Site was utilized as a temporary staging and storage area for nearby events such as golf tournaments and remained relatively unchanged to the time of the Site reconnaissance.

At the time of the Site reconnaissance, the Site was observed as unoccupied vacant land with no permanent structures. The western portion of the Site was being utilized as a staging area roll-off dumpster from the recent Waste Management Phoenix Open Golf Tournament, and included food service dumpsters of recyclables, and temporary wooden building materials dumpsters, and associated equipment. The majority of the Site was graded and gravel covered, with a river rock pad used as track-out dust control for construction vehicles and equipment entrance observed on the southwestern corner of the Site. During the Site reconnaissance, a construction crew was active trenching and installing underground corrugated stormwater piping on the central portion of the Site. Construction materials and equipment were being staged near the trenching area on the Site. An approximately 10,000-gallon capacity stilted construction water tank was observed on the southeastern corner of the Site. No other indications of aboveground storage tanks (ASTs), underground storage tanks (USTs), or hazardous material spills or leaks, were observed during the Site reconnaissance.

Two areas of overgrown desert vegetation and brush were observed on the northwestern and eastern portions of the Site. Some soil, asphalt millings, and landscape debris stockpiles were also observed on the Site. A small burned debris pile was observed on the northwestern portion of the Site, and a debris pile of copier and computer debris was observed on the eastern portion of the Site. No staining or hazardous materials spills were observed on or near the stockpiles or debris piles observed. Electronics recycling of the copier and computer debris pile is recommended. Ninyo & Moore did not observe quantities of hazardous substances or petroleum products used or stored on Site during our Site reconnaissance.

Review of an environmental database report obtained for this project indicated that the Site is not listed on the regulatory databases researched by Environmental Data Resources Inc. (EDR). Ninyo & Moore's review of the ADEQ Arizona Unified Repository for Informational Tracking of Environment (AZURITE) database and did not identify Declaration of Environmental Use Restriction (DEUR), a Voluntary Environmental Mitigation Use Restriction (VEMUR), or records of drywells, USTs, or leaking USTs for the Site.

Ninyo & Moore has performed this ESA in conformance with the scope and limitations of ASTM E1527-13 of the 71-acres of vacant land located at the southeastern corner of North Hayden Road and State Route 101, in Scottsdale, Maricopa County, Arizona (the Site). Based

on the information compiled during the preparation of this report, this assessment has revealed no evidence of RECs in connection with the Site at this time.

10.2. Off-Site

Based on information obtained through EDR and other sources, Ninyo & Moore concluded it is unlikely off-Site properties have impacted the Site; and therefore, Ninyo & Moore does not consider off-Site sources to be a REC to the Site.

10.3. Deviations

This report was prepared in accordance with ASTM E1527-13. No deviations from the standard occurred in this ESA. Based on the information gathered by Ninyo & Moore for the purposes of this ESA, it is Ninyo & Moore's opinion the data obtained from the Site reconnaissance, records reviewed, and interviews conducted, is adequate to make a conclusion on the environmental condition of the Site with respect to the existence or lack of RECs associated with the Site.

11. RECOMMENDATIONS

Ninyo & Moore recommends electronic recycling of the small pile of copier and computer debris observed in the northeast portion of the Site.

Based on the findings of this ESA, no further investigation is recommended at this time.

12. ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Å§312.10 of this part. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Site Assessor



Christian D. Lewallen
Project Geologist

Senior Reviewer



Mark J. Guatney
Principal Engineer

Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Christian D. Lewallen - Project Geologist



Mark J. Guatney - Principal Engineer

13. REFERENCES

Arizona Department of Environmental Quality web page, 2020, <http://www.azdeq.gov/index.html>.

Arizona Department of Environmental Quality web page, Records Search for Environmental Liens and Activity and Use Limitations; Voluntary Environmental Mitigation Use Restrictions (VEMUR) and Declaration of Environmental Use Restrictions (DEUR), 2020.

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Environmental Data Resources, Inc., 2020, The Environmental Data Resources Sanborn Map Report, dated February 20.

Environmental Data Resources, Inc., 2020, The Environmental Data Resources Aerial Photo Decade Package, dated February 20.

Environmental Data Resources, Inc., 2020, The Environmental Data Resources City Directory Report, dated February 21.

Environmental Data Resources, Inc., 2020, The Environmental Data Resources Historical Topographic Map Report, dated February 20.

Environmental Data Resources, Inc., 2020, The Environmental Data Resources Radius Map Report with GeoCheck, dated February 21.

Flood Control District of Maricopa County Webpage, Historical Aerial Photograph Review and FEMA Flood Map Review. 2020, <http://www.fcd.maricopa.gov/GIS/maps.aspx>.

Google Earth, 2020.

Maricopa County Air Quality Department, 2020, (602) 506-6010.

Maricopa County Assessor's Webpage, 2020, <http://www.maricopa.gov/assessor/gis/map.html>.

Maricopa County Recorder's Recorded Document Search Webpage, 2020,
<https://recorder.maricopa.gov/recdocdata/>.

National Pipeline Mapping System Online Database, 2020,
<https://pvnpm.phmsa.dot.gov/PublicViewer/>

NRCS USDA Online Websoil Survey, 2020,
<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>.

Scottsdale Fire Department

US Environmental Protection Agency (EPA). All Appropriate Inquiry (AAI), Title 40 of Code of Federal Regulations (CFR) Section 312.10.

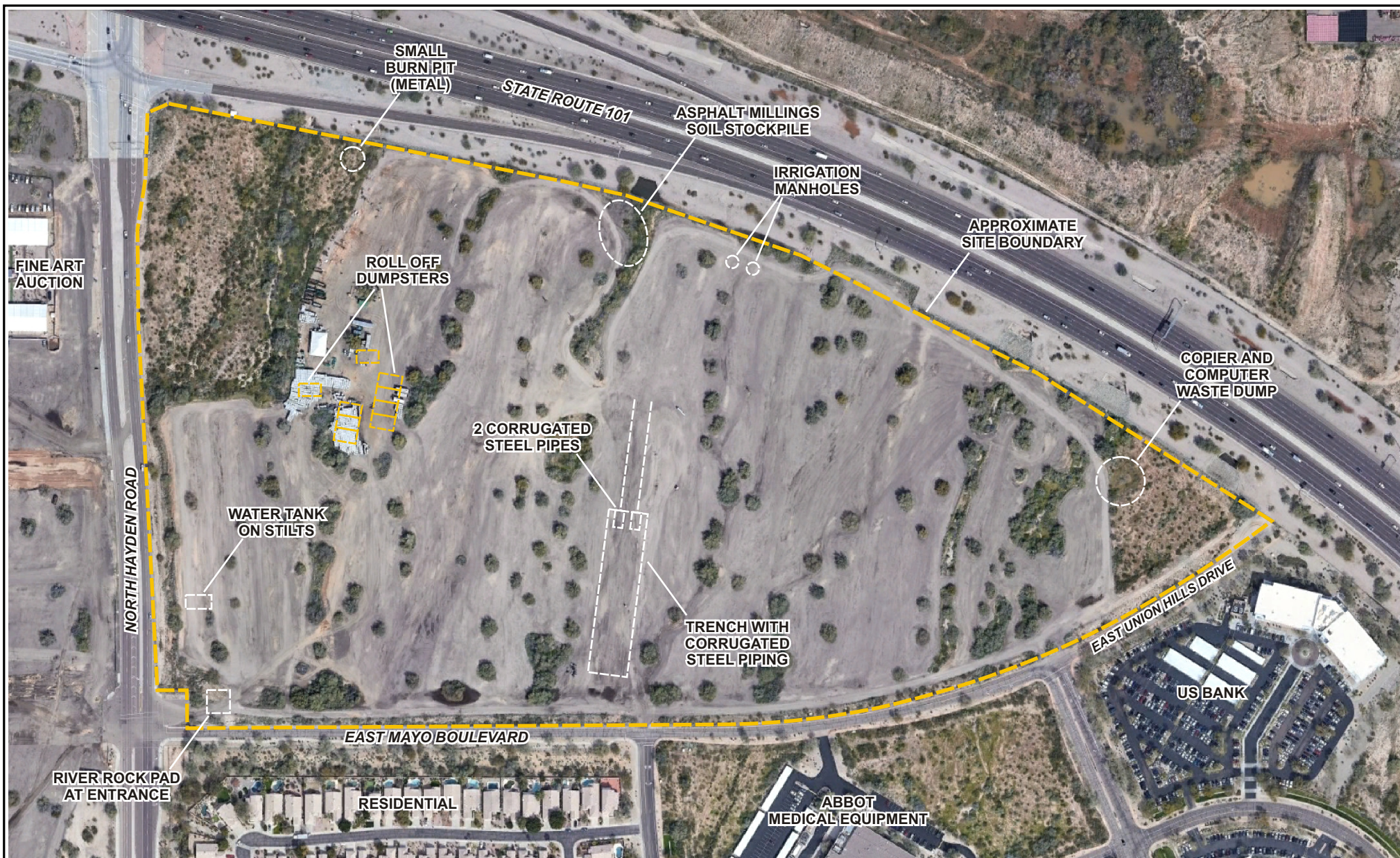
FIGURES



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

SITE LOCATION

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SOUTHEAST CORNER OF NORTH HAYDEN ROAD AND STATE ROUTE 101
SCOTTSDALE, ARIZONA



Source: NAVTEQ, 02/23/19.



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

FIGURE 2

SITE PLAN

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SOUTHEAST CORNER OF NORTH HAYDEN ROAD AND STATE ROUTE 101
SCOTTSDALE, ARIZONA

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Appendix A - Credentials

Mark J. Guatney, PE, CHMM

Principal Engineer, Environmental Operations



YEARS OF EXPERIENCE

Total Years of Experience: 32

Years with Ninyo & Moore: 3

EDUCATION

M.B.A., Business Administration, 2008,
University of Phoenix

B.S., Mechanical Engineering, 1985,
Georgia Institute of Technology

REGISTRATIONS/CERTIFICATIONS

AZ PE (Environmental) 53561

AZ PE (Mechanical) 28202

IL PE 062-060122

CHMM No. 15023

AHERA Asbestos Building Inspector

AHERA Asbestos Contractor/Supervisor

AHERA Asbestos Management/Planner

AHERA Asbestos Project Designer

Arizona Smoke School – EPA Method 9 –
Visible Emissions Training

OSHA HAZWOPER 40-Hour

OSHA HAZWOPER 8-Hour Refresher

PROFESSIONAL AFFILIATIONS

American Public Works Association

Arizona Rock Products Association

Environmental Professionals of Arizona

Institute of Hazardous Materials
Management

Valley Partnership

Mr. Guatney has over 32 years of environmental experience and is experienced in all phases of environmental site assessments (Phase I and II ESAs), comprehensive site characterization, and remediation planning and design. Additionally, he has experience performing and/or managing hazardous materials/industrial hygiene services (asbestos, lead-containing paint, indoor air quality, mold), and regulatory compliance (spill plans, stormwater, air permitting, environmental auditing). He has project experience providing these services on a wide variety of sites for clients including federal and state agencies, local governments, utilities, and private industry. His responsibilities include managing projects and project budgets, managing client and client relationships, overseeing project staff, and assist with or lead report preparation and other project documents. Responsibilities also include various office tasks comprised of data compilation, review and assimilation of historic information and environmental databases, and phone/email contact/coordination with subcontractors/vendors. His responsibilities include coordinating projects, maintaining client relationships, provide ongoing training to staff, provide direction and review of work products, and review and sign reports.

EXPERIENCE

City of Phoenix, Rose Mofford Sports Complex, Phoenix, Arizona: Project Manager during a pre-demolition asbestos-containing material (ACM) survey of the office trailer in the northern portion of the Rose Mofford Sports Complex in Phoenix, Arizona. The project included the mobile home/office trailer structure to be completely demolished and hauled away for offsite disposal. The objective of our survey was to identify and quantify accessible ACM throughout the interior and exterior of the structure. Our services included conducting a preliminary assessment of suspect ACMs to identify homogeneous areas of suspect ACMs and develop a sampling scheme; performing bulk sampling of each homogenous area of suspect ACM; submitting samples to a certified laboratory for analysis by polarized light microscopy, point count analysis, and Transmission Electron Microscopy analysis; collecting building material samples from the structure; and preparation of a report presenting the analytical data and summarizing the results of the materials assessed.

City of Glendale, Site 3 – Portion of Residential Equine Lot, Glendale, Arizona: Project Manager during a Phase I Environmental Site Assessment (ESA) on the northern 1.9-acre portion of the residential equine lot located in Glendale, Arizona. At the time of the reconnaissance, the site was a partially fenced livestock paddock and yard. Our services included physical review of site facilities and practices; assessment of past and present site usage; evaluation of site characteristics; adjacent property evaluation; and preparation of this Phase I ESA report presenting our methodology, findings, opinions, and conclusions regarding the environmental conditions at the site.

City of Chandler, Former Tire Facility, Chandler, Arizona: Project Manager during a Phase II Environmental Site Assessment, Well Development, and Groundwater Sampling at the former tire facility located at the NEC of Arizona Avenue and Buffalo Street in Chandler, Arizona. The site operated as a gasoline/service station from approximately 1932 to approximately 1975 when the Site was acquired by Dayton Tire. Two underground storage tanks (USTs) and associated pump islands were removed and the site buildings were demolished in 1986. The site has been vacant since 1986 and the exact locations of the former USTs, pump islands, and piping is unknown. Task 1 included a limited records search to identify properties in the nearby vicinity of the site; preparation of a work plan; subsurface investigation of soil and groundwater; laboratory testing; assisting the City on multiple approaches for remediation of the soil and groundwater contamination; preparation of a quality assurance project plan to address QA and QC policies associated with the collection

Mark J. Guatney, PE, CHMM

Principal Engineer, Environmental Operations

of environmental data; preparation of a site-specific health and safety plan; and preparation of a report presenting the investigative methodology, results of field and analytical tests, conclusions, and recommendations. Task 2 included preparation of VRP application package that included the application form, background review, assessment of site-specific remedial options, and remedial goal recommendations; and meetings with ADEQ. Task 3 included well condition evaluation and redevelopment, groundwater purging and sampling, investigation-derived waste, and preparation of data evaluation and letter report.

Shutterfly Facility, Air Permit Modification, Tempe, Arizona: Project Manager during an Air Permit Modification and Spreadsheet Development services to the Non-Title V Permit application for the Shutterfly facility in Tempe, Arizona. Our services for this project included monthly tracking of chemical usage and pollutant emissions, providing function to compare 12-month rolling total emissions to new air permit conditions; add function to compare recycling/recovery of inks and oils to BACT minimum control efficiency; add Ethylene Glycol purchases and waste stream; and additional cross-linked spreadsheet to track individual Digital Press chemical usage and impressions on a monthly basis.

Town of Queen Creek, Residential & Commercial Site Assessment, Queen Creek, Arizona: Project Manager during a Phase I Environmental Site Assessment (ESA) on four parcels located in Queen Creek, Arizona. At the time of our reconnaissance, the site is approximately 7 acres and was residential and residential converted to commercial office use properties on the east portion, with horse (equine) usage on the western portions of the site. Our scope of work for this Phase I ESA included physical review of site facilities and practices; assessment of past and present site usage; evaluation of site characteristics; adjacent property evaluation; and preparation of a Phase I ESA report presenting our methodology, findings, opinions, and conclusions regarding the environmental conditions at the site.

ADOT, Residential Property, Maricopa, Arizona: Project Manager during a pre-demolition asbestos-containing material (ACM) and lead-based paint (LBP) surveys, Asbestos Abatement Oversight, air monitoring, contractor surveillance, and final visual inspection of a residential property located in Maricopa, Arizona. At the time of our survey, the residential property was developed with one mobile home or trailer structure, a small tin shed, and one wood-framed shed or storage building. The remainder of the Site was bare soil and concrete-paved parking or patio area. Our ACM and LBP services included performing a preliminary assessment of the site to observe homogeneous suspect ACM and suspect LBP, and subsequently developed a sampling scheme; collecting bulk samples of suspect ACM. The samples were analyzed for asbestos by polarized light microscopy (PLM). Sample analysis was conducted according to USEPA protocol described in the Asbestos Hazard Emergency Response Act (AHERA) (Code of Federal Regulations, Section 40, Part 763). Screening accessible painted surfaces for lead content with an Innov-X Systems Alpha Series X-Ray Florescence (XRF) analyzer. The XRF analyzer was operated in accordance with the Performance Characteristic Sheet associated with the instrument. Preparation of an ACM and LBP survey presenting our methodology, findings, opinions, and conclusions for the surveys. Our asbestos abatement oversight services included full-time project monitoring during asbestos abatement activities; collection of daily perimeter air samples; submittal of air samples to an accredited laboratory for Phase Contrast Microscopy (PCM) analysis; conducting a post abatement visual inspection of the abatement work area; preparation of a field project monitoring log during the project; and preparation of an abatement close out report that included air sampling data, daily field notes, waste disposal documentation, work area sign-in sheets, and copies of site personnel's Asbestos Hazard Emergency Response Act (AHERA) Supervisor certification.

Arizona Water Company, Vacant Lot, Phoenix, Arizona: Project Manager during a Phase I Environmental Site Assessment (ESA) on approximately two acres of vacant, graded land located in Phoenix, Arizona. Our services included physical review of site facilities and practices; assessment of past and present site usage; evaluation of site characteristics; adjacent property evaluation; and preparation of a Phase I ESA report.

City of Glendale, Arrowhead Ranch Wastewater Reclamation Treatment Plant, Admin Building, Glendale, Arizona: Project Manager during asbestos-containing materials (ACM) and lead-based paint (LBP) surveys of the Arrowhead Ranch Wastewater Reclamation Facility located in Glendale, Arizona. The project included a one-story, 9,000 square foot Administrative Building, which contained offices, conference room, control room, labs, and maintenance areas. Our services included a preliminary assessment of the Site to observe homogeneous suspect ACM and suspect LBP, and subsequently developed a sampling scheme; collected bulk samples of suspect ACM; screened accessible painted surfaces for lead content with an Innov-X Systems Alpha Series X-Ray Florescence (XRF) analyzer; and preparation of a report.

Christian D. Lewallen, RG

Project Geologist



YEARS OF EXPERIENCE

Total: 10 Years

Ninyo & Moore: 1 Year

EDUCATION

B.S., Geology, 2008, Oregon State University

REGISTRATIONS/CERTIFICATIONS

RG 67107 (Arizona)

PG 3328 (Washington)

PG 4094 (Wyoming)

AHERA Asbestos Building Inspector

AHERA Asbestos
Contractor/Supervisor

EPA Lead-Based Paint Inspector

First Aid CPR Certification

Nitron XRF Analyzer Operator's
Training

OSHA, 8-Hour HAZWOPER Refresher
Certification

Respirator Fit Test Assessment

Mr. Lewallen has 10 years of experience as an environmental consultant and geologist in the environmental industry with projects that include site characterizations/remediations; groundwater, soil, and soil vapor sampling; groundwater and soil vapor well installation oversight; and conducting aquifer testing and optimization. Mr. Lewallen served in a project-coordinating role for numerous projects from project inception, proposal preparation, sub-contractor coordination and supervision, client deliverables, to final project completion. Mr. Lewallen has conducted field support operations, documentation, and map/figure preparation for private copper mine clients. Mr. Lewallen has involvement in remediation investigations/feasibility studies and groundwater monitoring plans for CERCLA/RCRA programs including over 3.5 years of experience with projects supporting both federal and state superfund registry and CERCLA/WQARF sites. Projects have also included UST removal and characterization of LUST/UST sites including groundwater monitoring and reporting. Mr. Lewallen has conducted numerous Phase I and II Environmental Site Assessments throughout the United States and in Mexico. Mr. Lewallen has also conducted numerous comprehensive asbestos surveys and lead-based paint surveys for various commercial and residential properties.

EXPERIENCE

Continental Properties, Agriculture, Residential and Commercial Land, Gilbert, Arizona: Project Geologist during a Phase I Environmental Site Assessment (ESA), Limited Phase II ESA, and Limited Hazardous Building Materials Survey on 15 Acres of Agricultural, Residential and Commercial Land in Gilbert, Arizona. Our services included physical review of site facilities and practices; assessment of past and present site usage; adjacent property evaluation; evaluation of site characteristics; and preparation of a Phase I ESA report documenting findings and providing opinions and recommendations regarding possible environmental impacts at the site; subsurface investigations and preparing a summary report presenting our methodology, findings, opinions, and conclusions regarding the Limited Phase II ESA; and identifying hazardous building materials.

Bureau of Land Management, 200-Acres of Vacant Desert Land, Casa Grande, Arizona: Project Manager during a Phase I Environmental Site Assessment (ESA) and a Drone Aerial Survey of 200-Acres of vacant desert land located on the northern boundary of Casa Grande, Arizona. The site adjoins the southern boundary of the Gila River Indian Community tribal land. Our services included physical review of site facilities and practices; assessment of past and present site usage; evaluation of site characteristics; adjacent property evaluation; and preparation of a Phase I ESA report documenting findings and providing opinions and recommendations regarding possible environmental impacts at the site.

Commercial Land, SWC 9th Avenue and Yuma Street, Phoenix, Arizona: Project Manager during a Phase I Environmental Site Assessment (ESA) on the 1-Acre of Commercial Land located in Phoenix, Arizona. At the time of our site reconnaissance, site development included a single-story 16,214-square foot building with an outdoor atrium area in the central portion of the site building. The building included a reception area on the eastern side of the building and multiple patient exam rooms, storage areas, and restrooms throughout the western portion of the building. The remaining portions of the site were predominantly asphalt paved parking lots and gravel-covered landscaped areas.

Christian D. Lewallen

Project Geologist

Our services included physical review of site facilities and practices; assessment of past and present site usage; adjacent property evaluation; evaluation of site characteristics; performing interviews with present owners, operators, and occupants of the site; performing vapor encroachment screening assessment; and preparation of a Phase I ESA report documenting findings and providing opinions and recommendations regarding possible environmental impacts at the site.

Town of Sahuarita, 95.8 Acres of Vacant Land, NWC Twin Buttes Road and Placita Palmilla, Sahuarita, Arizona: Project Manager during a Phase I Environmental Site Assessment (ESA) on the 95.8 Acres of Vacant Land located in Sahuarita, Arizona. The site was covered with native desert vegetation including creosote bushes, mesquite trees, saguaro and other cactus species. Our services included physical review of site facilities and practices; assessment of past and present site usage; adjacent property evaluation; evaluation of site characteristics; performing interviews with present owners, operators, and occupants of the site; performing a vapor encroachment screening assessment; and preparation of a Phase I ESA report documenting findings and providing opinions and recommendations regarding possible environmental impacts at the site.

Bureau of Land Management, 3,185 Acres of Vacant Desert Land, Mobile, Arizona: Project Manager during a Phase I Environmental Site Assessment (ESA) and a Drone Aerial Survey of 3,185 acres of vacant desert land north of Mobile, Arizona with the majority of the project area located within the Sierra Estrella Mountains. The purpose of the Phase I ESA was to assess the environmental condition of the land, in consideration for feasibility of future property transfer of the site. Our services included physical review of site facilities and practices; assessment of past and present site usage; evaluation of site characteristics; adjacent property evaluation; a comprehensive site reconnaissance; drone aerial survey; and preparation of a Phase I ESA report documenting findings and providing opinions and recommendations regarding possible environmental impacts at the site. Due to the rugged desert landscape and the steep 1,600-foot elevation change of the Sierra Estrella Mountains within the site, Ninyo & Moore deployed a drone with a high resolution camera to survey the areas not reasonably accessible. To date, this is the largest drone survey conducted by Ninyo & Moore.

Manufacturing Warehouse, Glendale, Arizona: Project Manager during a Phase I Environmental Site Assessment (ESA) at the Manufacturing Warehouse property located in Glendale, Arizona. The site included a 7,840-square foot, single-story industrial building of block wall and slab-on-grade construction. The building included an office area on the western portion of the building, and the warehouse and manufacturing area occupied the eastern portion of the building. Our services included physical review of site facilities and practices; assessment of past and present site usage; adjacent property evaluation; evaluation of site characteristics; performing interviews with present owners, operators, and occupants of the site; performing a vapor encroachment screening assessment; and preparation of a Phase I ESA report documenting findings and providing opinions and recommendations regarding possible environmental impacts at the site.

Santa Cruz County, 27 Dirt Road Segments, Santa Cruz County, Arizona: Project Geologist during a Preliminary Initial Site Assessment (PISA) for the Santa Cruz County Chipseal Roads Improvement Project located on 27 various dirt roads in Santa Cruz County, Arizona. The project area improvements included approximately 9.8 miles of dirt roads to be chipsealed. Our services included performing a reconnaissance to visually evaluate the project area for possibly contaminated surficial soil or surface water, improperly stored hazardous materials, possible sources of polychlorinated biphenyls, and possible risks of contamination from activities at adjacent properties; reviewing readily available regulatory agency databases to evaluate the possible environmental impacts; and preparation of a report documenting findings and providing recommendations regarding whether further assessment of the project area is recommended.

City of Tucson, Arcadia Avenue and Timrod Street Bike Boulevards Project, Tucson, Arizona: Project Geologist during an Asbestos-Containing Material (ACM) and Lead-Based Paint (LBP) surveys for the approximately 5.1 miles of roadway and associated right-of-way (ROW) of the Arcadia Avenue and Timrod Street Bike Boulevards Project in Tucson, Arizona. The project included addition of pedestrian and bicycle facilities, roadway storm drainage facilities; and potholing and relocation of utilities, as needed. Our services included surveying of the Project Area to observe homogeneous areas of suspect ACM and LBP and setup a sampling scheme; identify whether concrete sidewalks on the roadway and other components within the Project Area's proposed ROW would be classified as ACM; identify whether the road-striping and paint on the roadways, ROWs, and along the Project Area within the Project Area's proposed ROWs would be classified as LBP; evaluating analytical laboratory test data results; and preparation of an ACM and LBP report presenting our conclusions and recommendations.

Appendix B - Photographic Documentation



1 : View looking southwest at the river rock pad entrance on the southwestern corner of the Site.



2 : View looking north from the southwestern corner of the Site.



3 : View looking northeast from the southwestern corner of the Site.



4 : View of a stormwater culvert and drainage on the southwestern portion of the Site.



5 : View of the stilted water storage tank used for dust control on the southwestern portion of the Site.



6 : View of the western portion of the Site with a gravel/soil stockpile.



7 : View of the Fine Art auction house adjoining the Site to the west beyond North Hayden Road.



8 : View of a typical Waste Management dumpster located on the western portion of the Site.



9 : View of a forklift staged on the western portion of the Site.



10 : View of minor wildcat dumping of furniture on the northwestern portion of the Site.



11 : View of a typical Waste Management dumpster located on the western portion of the Site. Recyclable liquor bottles may be from recent WM Phoenix Open golf event nearby.



12 : View of typical Waste Management dumpsters staging on the western portion of the Site.



13 : View of temporary construction materials located in a dumpster.



14 : View looking northwest at State Route 101 from the northwestern portion of the Site.



15 : View looking west at native vegetation in northwestern portion of the Site.



16 : View looking south from the northwestern portion of the Site.



17 : View of a burned debris pile located on the northwestern portion of the Site.



18 : Asphalt millings and soil stockpile in north-central portion of Site.



19 : View looking north from the north-central portion of the Site at bridge associated with State Route 101.



20 : View of the irrigation manhole covers located on the northern portion of the Site.



21 : View looking northwest from the eastern portion of the Site.



22 : View of copier and computer debris pile located on the eastern portion of the Site.



23 : View looking southwest from the eastern portion of the Site.



24 : View looking southwest along the eastern Site boundary with E Union Hills Drive.



25 : View looking west at an entry gate along the eastern portion of the Site.



26 : View looking northwest from the southeastern portion of the Site.



27 : View looking south across E Mayo Boulevard from the south central portion of the Site.



28 : View of the stormwater drainage pipe staging area in the south central portion of the Site.



29 : View of the stormwater drainage construction area on the south central portion of the Site.



30 : View of tree-box debris pile in excavation located on the south central portion of the Site.



31 : View of a vegetation clearing pile located on the central portion of the Site.



32 : View looking north at the underground stormwater piping trench located on the south central portion of the Site.



33 : View looking east at northwestern portion of Site from South Hayden Road.



34 : View looking south from the northwestern Site boundary adjoining the State Route 101 eastbound on ramp.

Appendix C - User Questionnaire

Site Description: Phase I ESA Site: SEC N Hayden and SR 101, Scottsdale AZ (Address, City, State)

PHASE I ESA/AAI REQUIREMENTS

According to the All Appropriate Inquiry (AAI, 40 CFR 312) requirements and ASTM (E 1527-05) guidance on conducting Phase I Environmental Site Assessments, the "user" of the assessment must provide the following information, if available, to the environmental professional in order to qualify for Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001. Please check yes or no and provide any additional information you may have regarding the site. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

(1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 132.25).

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

☐ Yes

☒ No

If yes, please explain:

(2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any activity use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☐ Yes

☒ No

If yes, please explain:

(3) Specialized knowledge or experience of the person/department requesting the Phase I ESA and seeking to qualify for the landowner liability protections (40 CFR 312.28).

As the user of this ESA, do you have any specialized knowledge or experience related to the property or adjoining properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ Yes

☒ No

If yes, please explain:

(4) Relationship of the purchase price to the fair market value of the property, if it were not contaminated (40 CFR 312.29).

Does the purchase price offered for this property reasonably reflect the fair market value of the property? If there is a difference between the purchase price and the fair market value, have you considered whether the lower purchase price is because contamination is known or believed to be at the property?

Please discuss:

(5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a) Do you know the past uses of the property?

(b) Do you know of specific chemicals that are present or once were present at the property?

(c) Do you know of spills or other chemical releases that have taken place at the property?

(d) Do you know of any environmental cleanups that have taken place or are ongoing at the property?

☐ Yes

☒ No

If yes, please explain:

(6) The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

☐ Yes

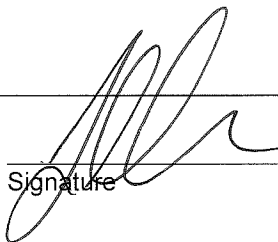
☒ No

If yes, please explain:

Print Name

Joe Charles

Signature



Date

3/25/20

Appendix D - Historical Information



71-Acres of Vacant Land

SEC of North Hayden Road and State Route 101

Scottsdale, AZ 85255

Inquiry Number: 5980005.3

February 20, 2020

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

02/20/20

Site Name:

71-Acres of Vacant Land
SEC of North Hayden Road an
Scottsdale, AZ 85255
EDR Inquiry # 5980005.3

Client Name:

Ninyo & Moore
3202 E. Harbour Drive
Phoenix, AZ 85034
Contact: Christian Lewallen



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Ninyo & Moore were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 5C4D-496F-B91F
PO # NA
Project 605816001

UNMAPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 5C4D-496F-B91F

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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71-Acres of Vacant Land

SEC of North Hayden Road and State Route 101

Scottsdale, AZ 85255

Inquiry Number: 5980005.4

February 20, 2020

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

02/20/20

Site Name:

71-Acres of Vacant Land
SEC of North Hayden Road an
Scottsdale, AZ 85255
EDR Inquiry # 5980005.4

Client Name:

Ninyo & Moore
3202 E. Harbour Drive
Phoenix, AZ 85034
Contact: Christian Lewallen



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Ninyo & Moore were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	33.651315 33° 39' 5" North
Project:	605816001	Longitude:	-111.904035 -111° 54' 15" West
		UTM Zone:	Zone 12 North
		UTM X Meters:	416173.41
		UTM Y Meters:	3723862.05
		Elevation:	1592.00' above sea level

Maps Provided:

2014
1982
1973
1964
1939
1930
1906
1904

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Topo Sheet Key

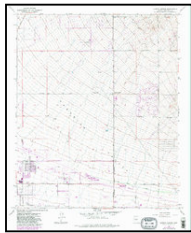
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2014 Source Sheets



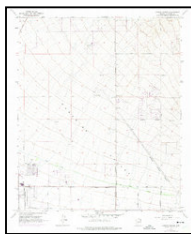
Currys Corner
2014
7.5-minute, 24000

1982 Source Sheets



Currys Corner
1982
7.5-minute, 24000
Aerial Photo Revised 1978

1973 Source Sheets



Currys Corner
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1964 Source Sheets



Currys Corner
1964
7.5-minute, 24000
Aerial Photo Revised 1962

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1939 Source Sheets



Cave Creek
1939
30-minute, 125000

1930 Source Sheets



Cave Creek
1930
30-minute, 125000

1906 Source Sheets



Camelsback
1906
15-minute, 62500

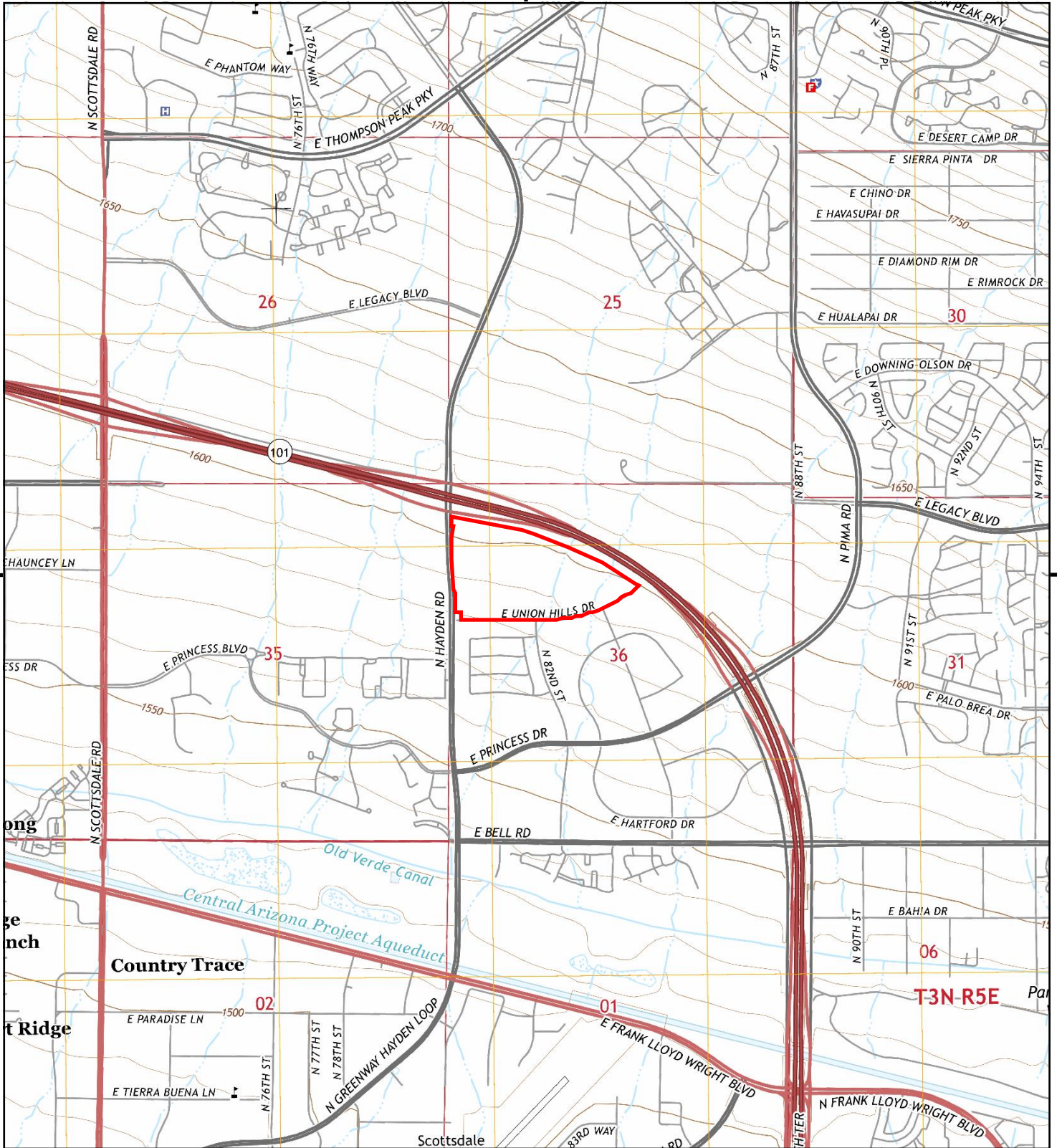


Camelback
1906
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1904 Source Sheets



Camelback
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15-minute, 62500



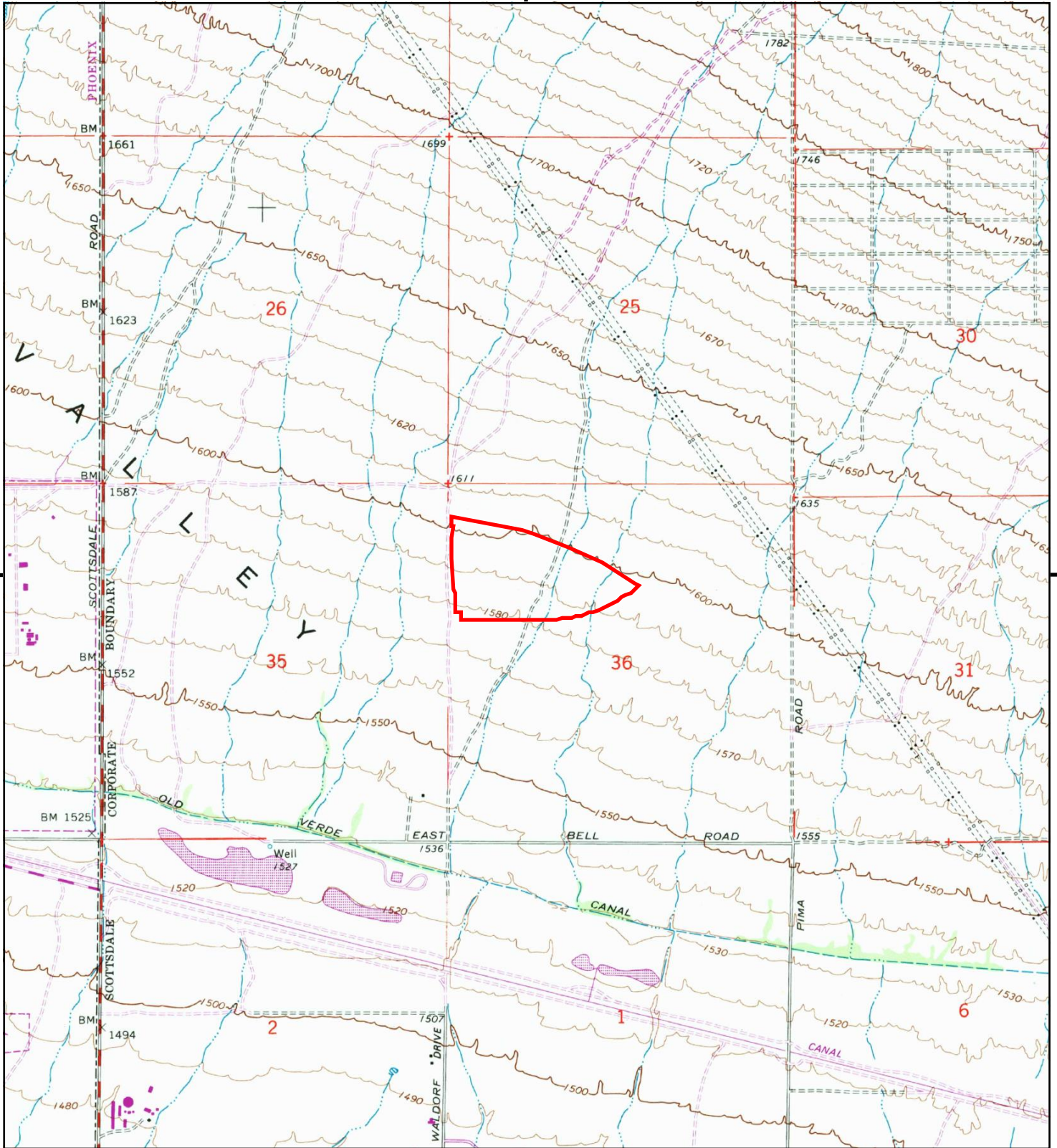
This report includes information from the following map sheet(s).



TP, Currys Corner, 2014, 7.5-minute

SITE NAME: 71-Acres of Vacant Land
 ADDRESS: SEC of North Hayden Road and State Rd
 Scottsdale, AZ 85255
 CLIENT: Ninyo & Moore





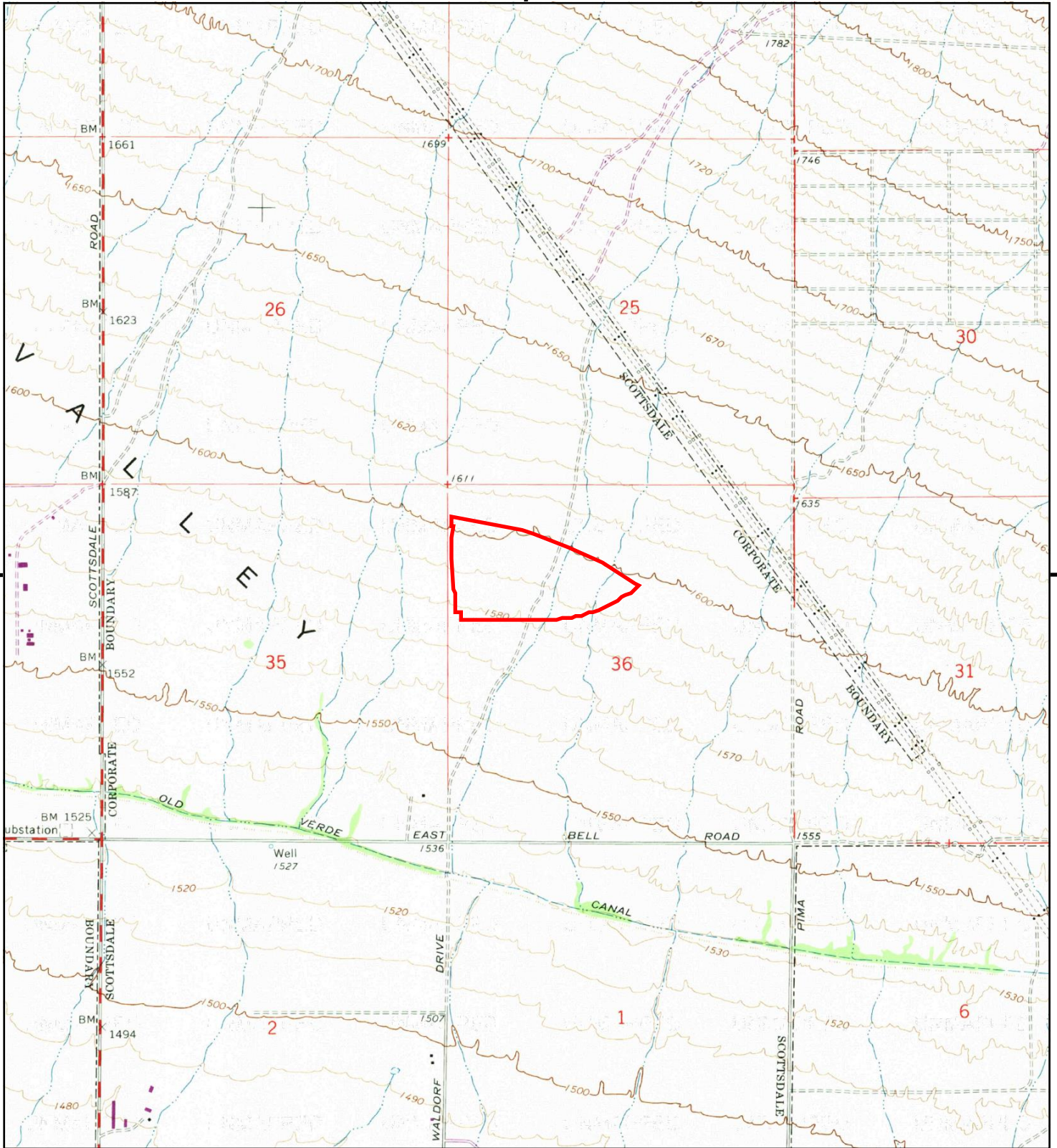
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ADDRESS: SEC of North Hayden Road and State Ro
 Scottsdale, AZ 85255
CLIENT: Ninyo & Moore





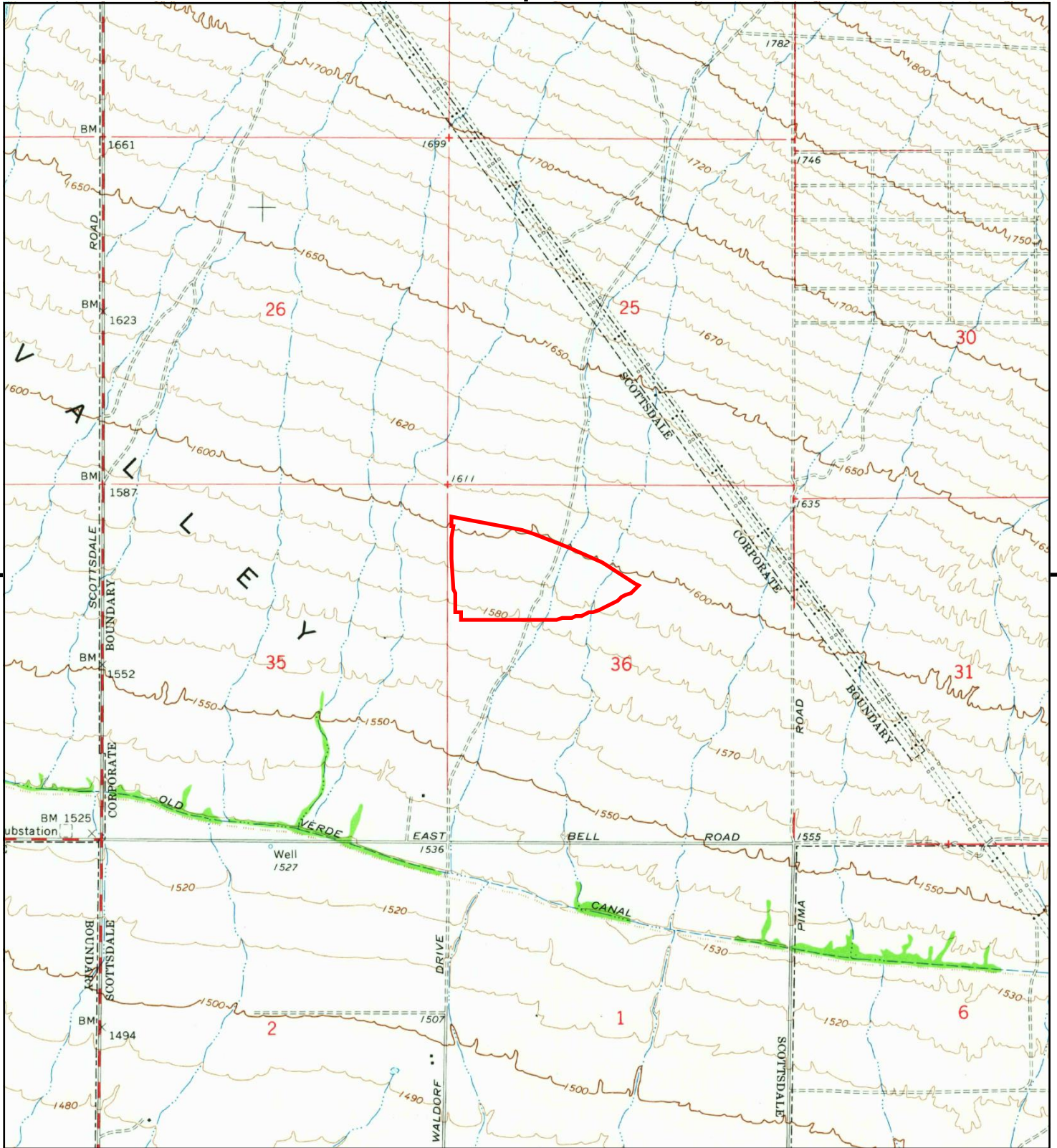
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TP, Currys Corner, 1973, 7.5-minute

SITE NAME: 71-Acres of Vacant Land
 ADDRESS: SEC of North Hayden Road and State Ro
 Scottsdale, AZ 85255
 CLIENT: Ninyo & Moore





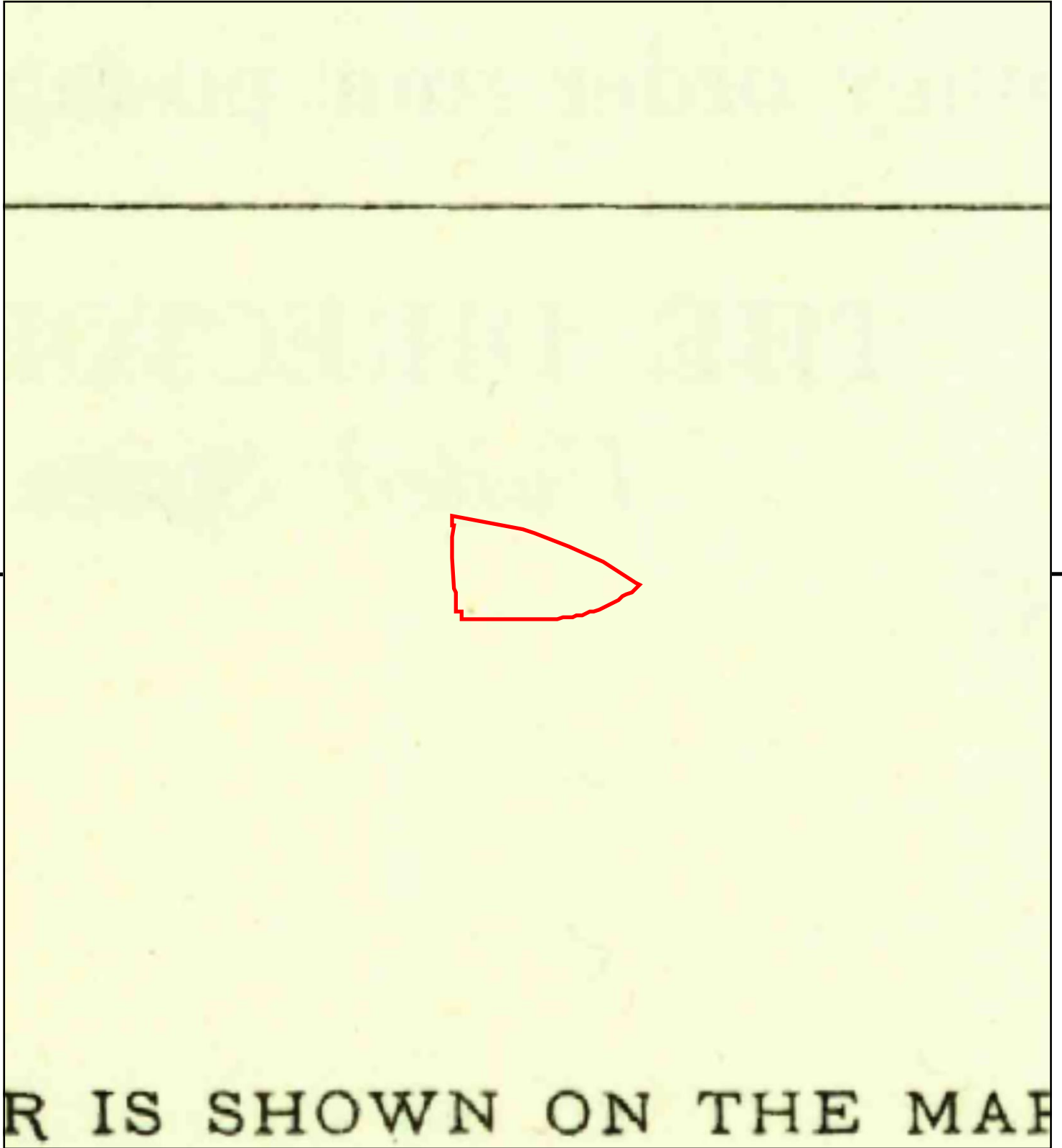
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TP, Currys Corner, 1964, 7.5-minute

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ADDRESS: SEC of North Hayden Road and State Ro
Scottsdale, AZ 85255
CLIENT: Ninyo & Moore





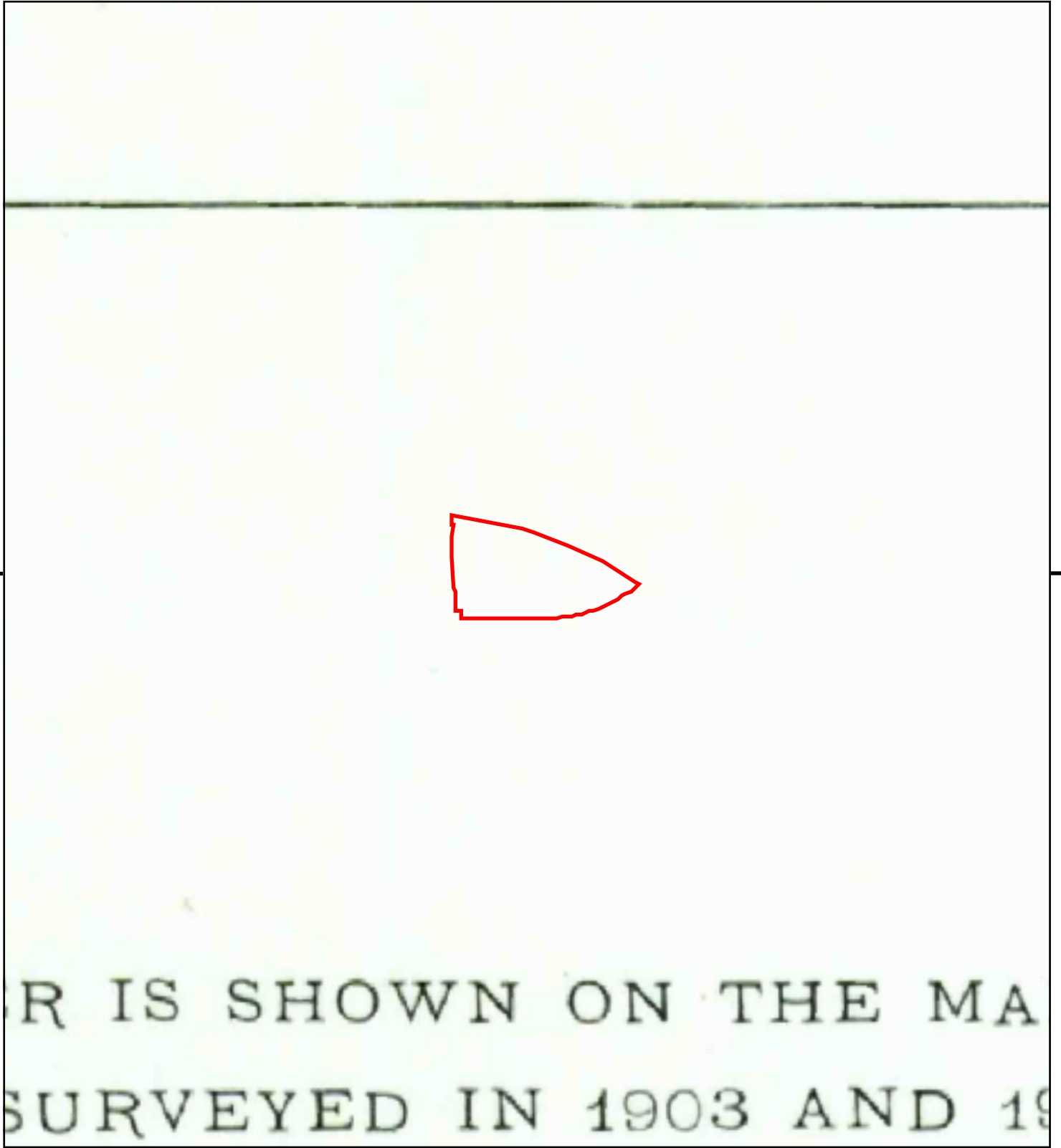
This report includes information from the following map sheet(s).



TP, Cave Creek, 1939, 30-minute

SITE NAME: 71-Acres of Vacant Land
 ADDRESS: SEC of North Hayden Road and State Ro
 Scottsdale, AZ 85255
 CLIENT: Ninyo & Moore





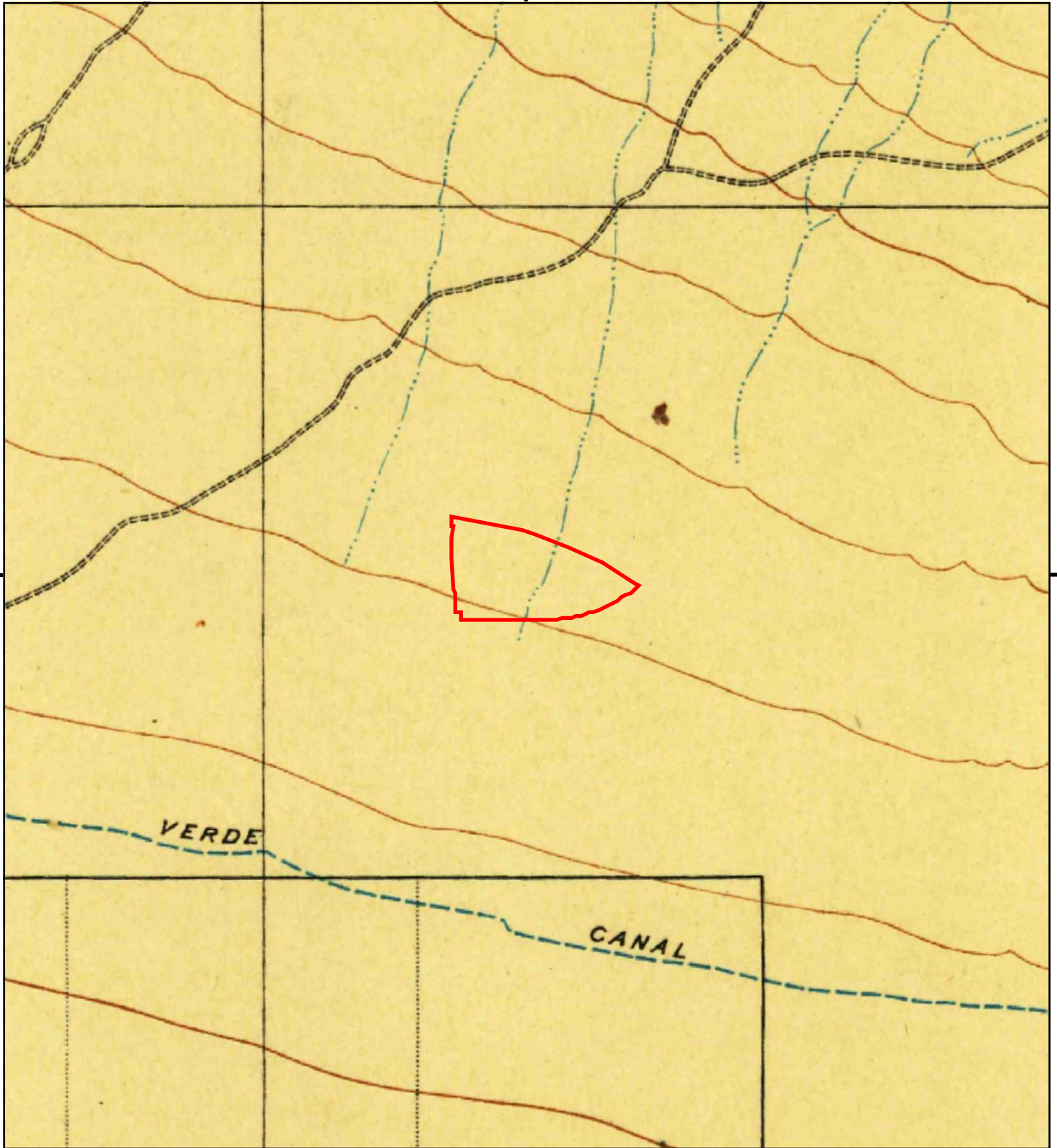
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TP, Cave Creek, 1930, 30-minute

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ADDRESS: SEC of North Hayden Road and State Ro
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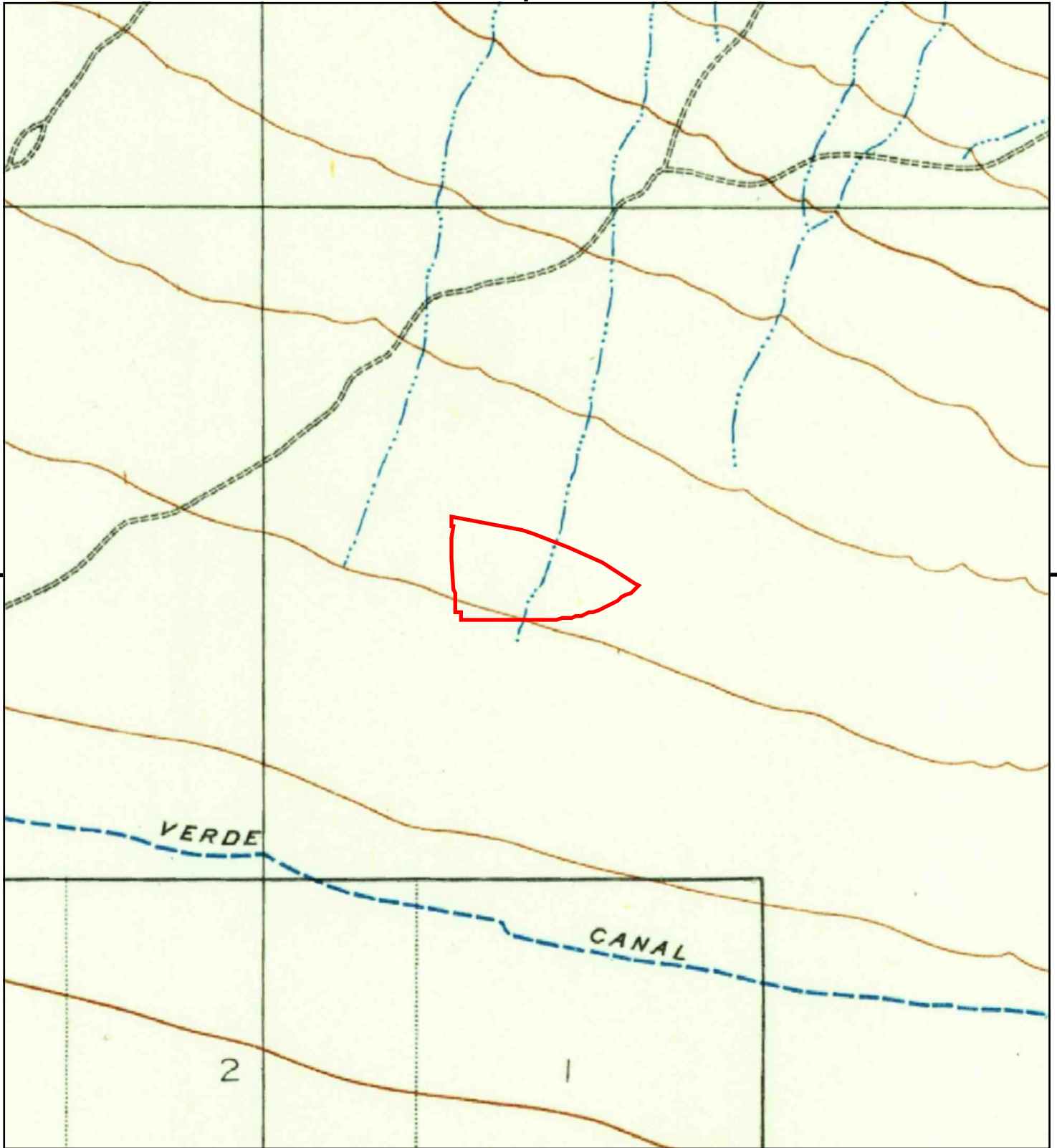
This report includes information from the following map sheet(s).



TP, Camelback, 1906, 15-minute
TP, Camelback, 1906, 15-minute

SITE NAME: 71-Acres of Vacant Land
ADDRESS: SEC of North Hayden Road and State Ro
Scottsdale, AZ 85255
CLIENT: Ninyo & Moore





This report includes information from the following map sheet(s).



TP, Camelback, 1904, 15-minute

SITE NAME: 71-Acres of Vacant Land
 ADDRESS: SEC of North Hayden Road and State Ro
 Scottsdale, AZ 85255
 CLIENT: Ninyo & Moore





71-Acres of Vacant Land

SEC of North Hayden Road and State Route 101

Scottsdale, AZ 85255

Inquiry Number: 5980005.8

February 20, 2020

The EDR Aerial Photo Decade Package



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02/20/20

Site Name:

71-Acres of Vacant Land
SEC of North Hayden Road an
Scottsdale, AZ 85255
EDR Inquiry # 5980005.8

Client Name:

Ninyo & Moore
3202 E. Harbour Drive
Phoenix, AZ 85034
Contact: Christian Lewallen



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Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
1997	1"=500'	Acquisition Date: April 30, 1997	USGS/DOQQ
1986	1"=500'	Flight Date: December 30, 1986	EDR Proprietary Landiscor
1980	1"=500'	Flight Date: June 02, 1980	USDA
1979	1"=500'	Flight Date: June 09, 1979	USDA
1976	1"=500'	Flight Date: December 28, 1976	EDR Proprietary Landiscor
1964	1"=500'	Flight Date: January 24, 1964	USDA
1962	1"=500'	Flight Date: September 18, 1962	USGS
1957	1"=500'	Flight Date: December 30, 1957	USDA
1954	1"=500'	Flight Date: January 26, 1954	USDA
1949	1"=500'	Flight Date: March 27, 1949	USDA

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INQUIRY #: 5980005.8

YEAR: 2017

— = 500'





INQUIRY #: 5980005.8

YEAR: 2013

— = 500'





INQUIRY #: 5980005.8

YEAR: 2010

— = 500'



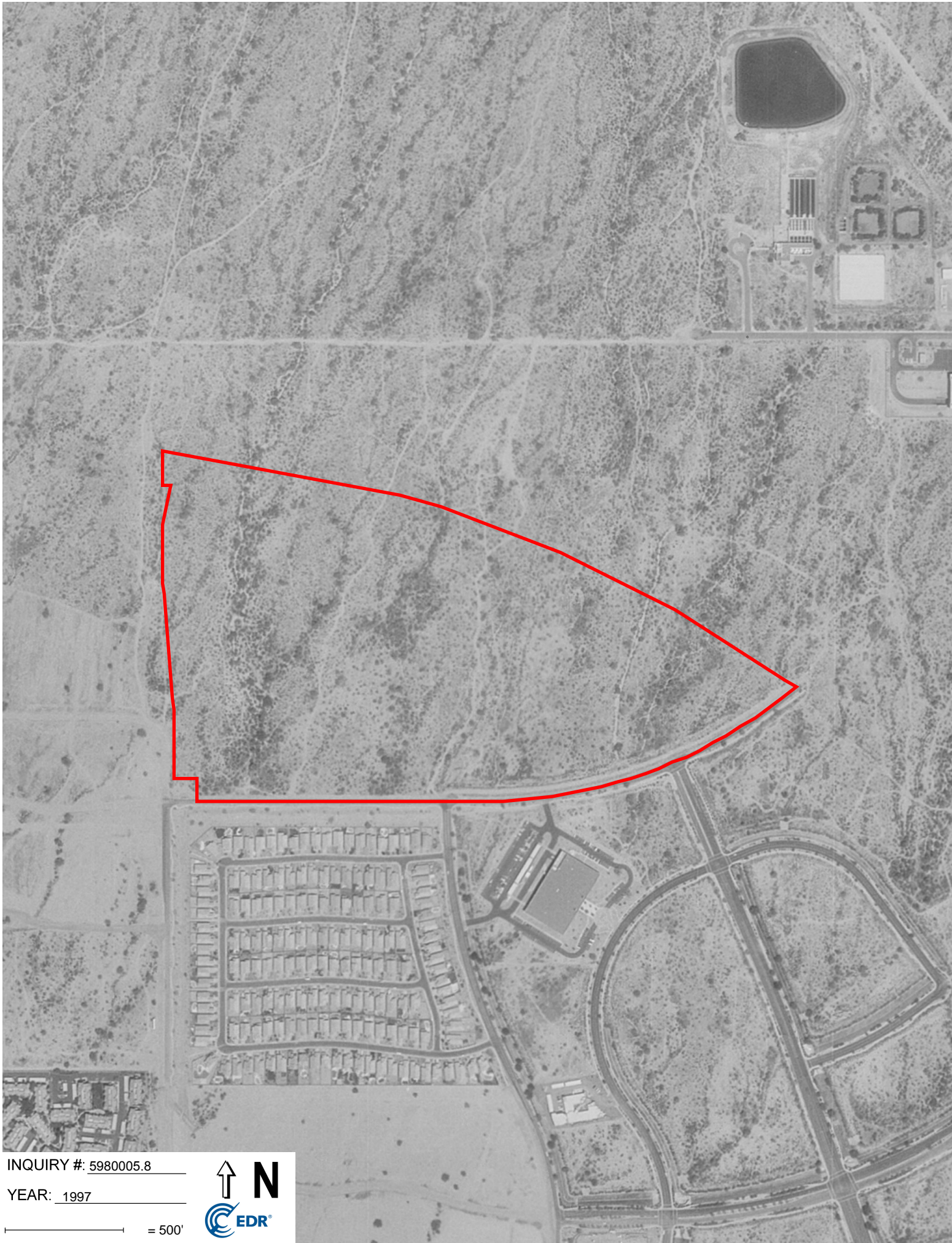


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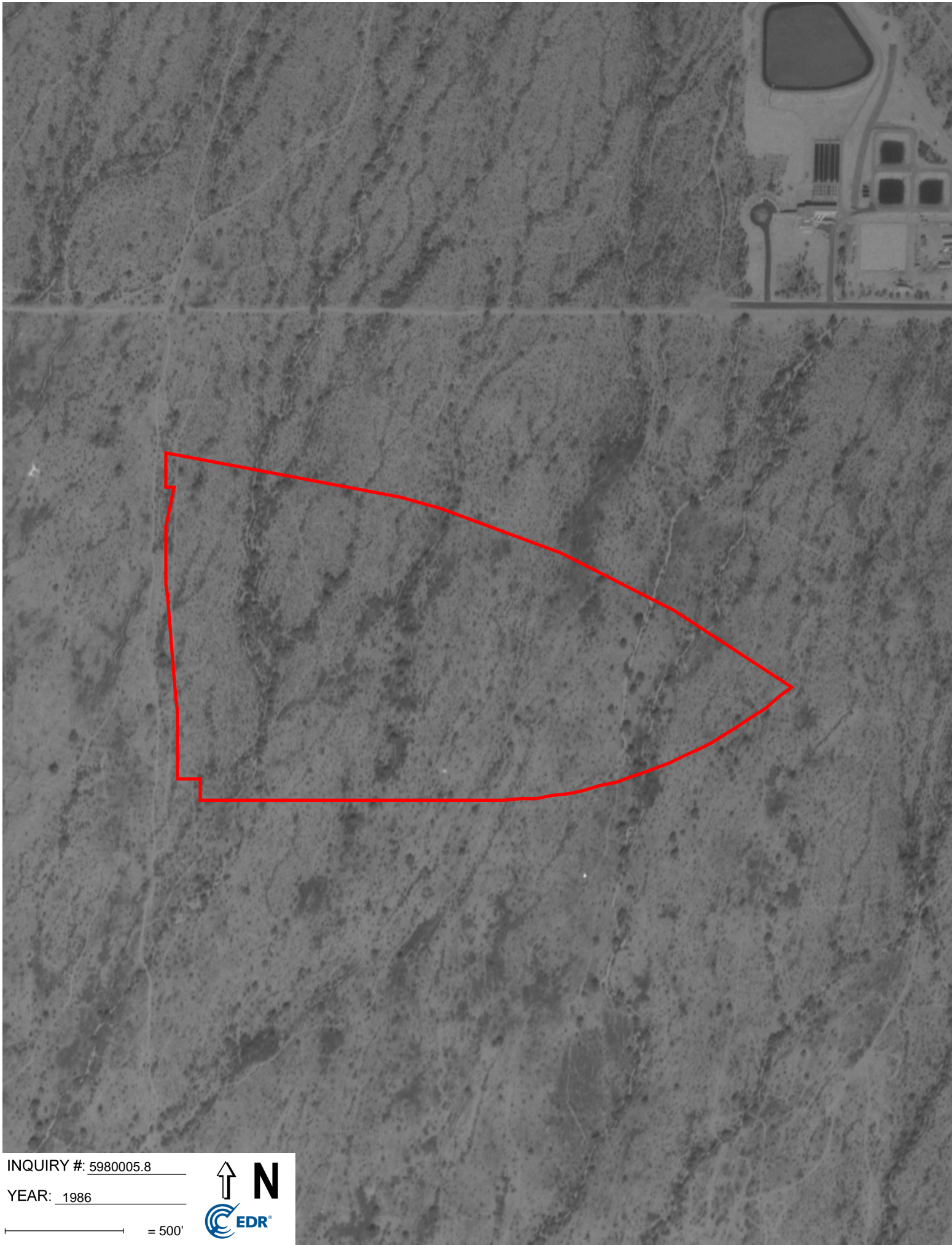


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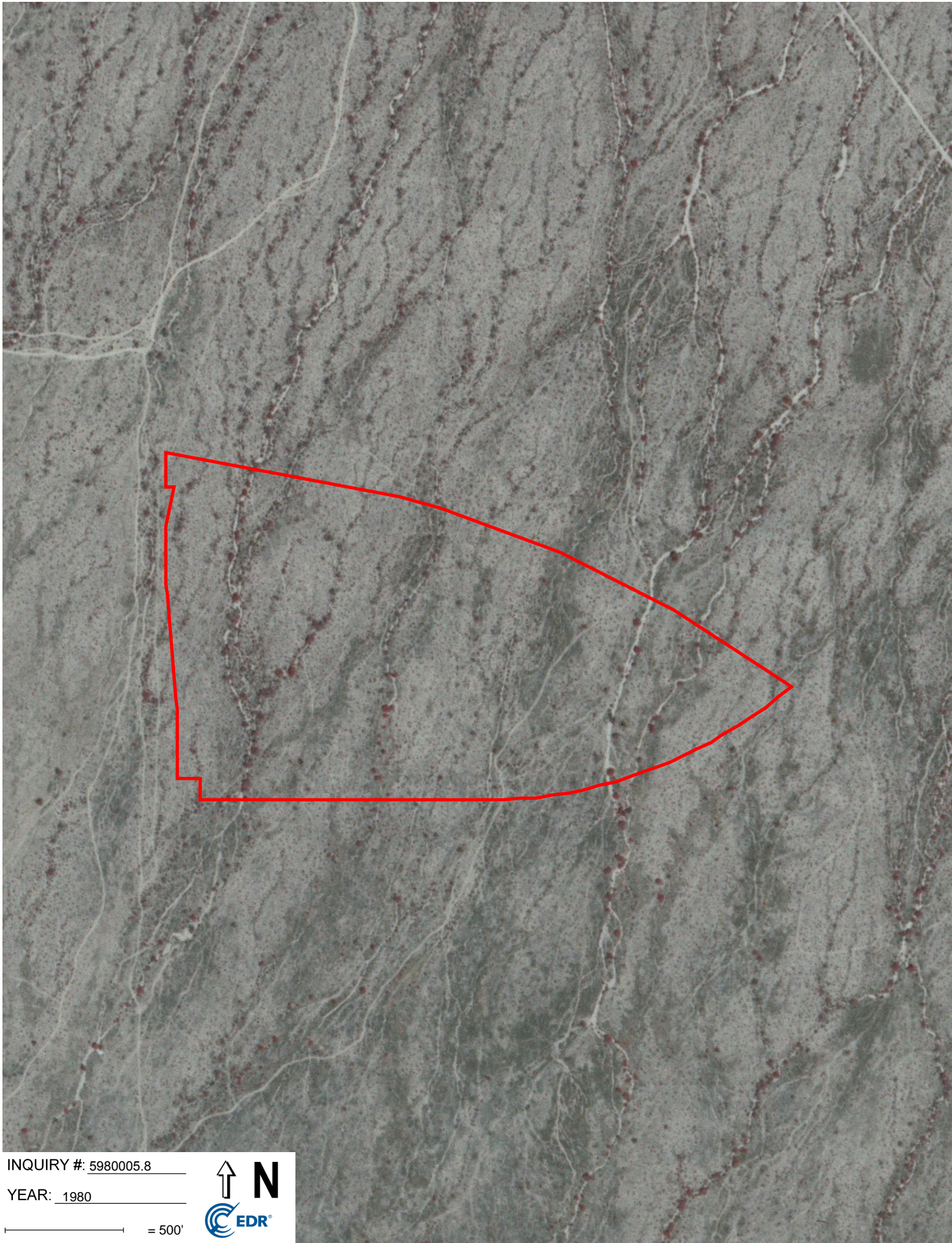


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YEAR: 1986

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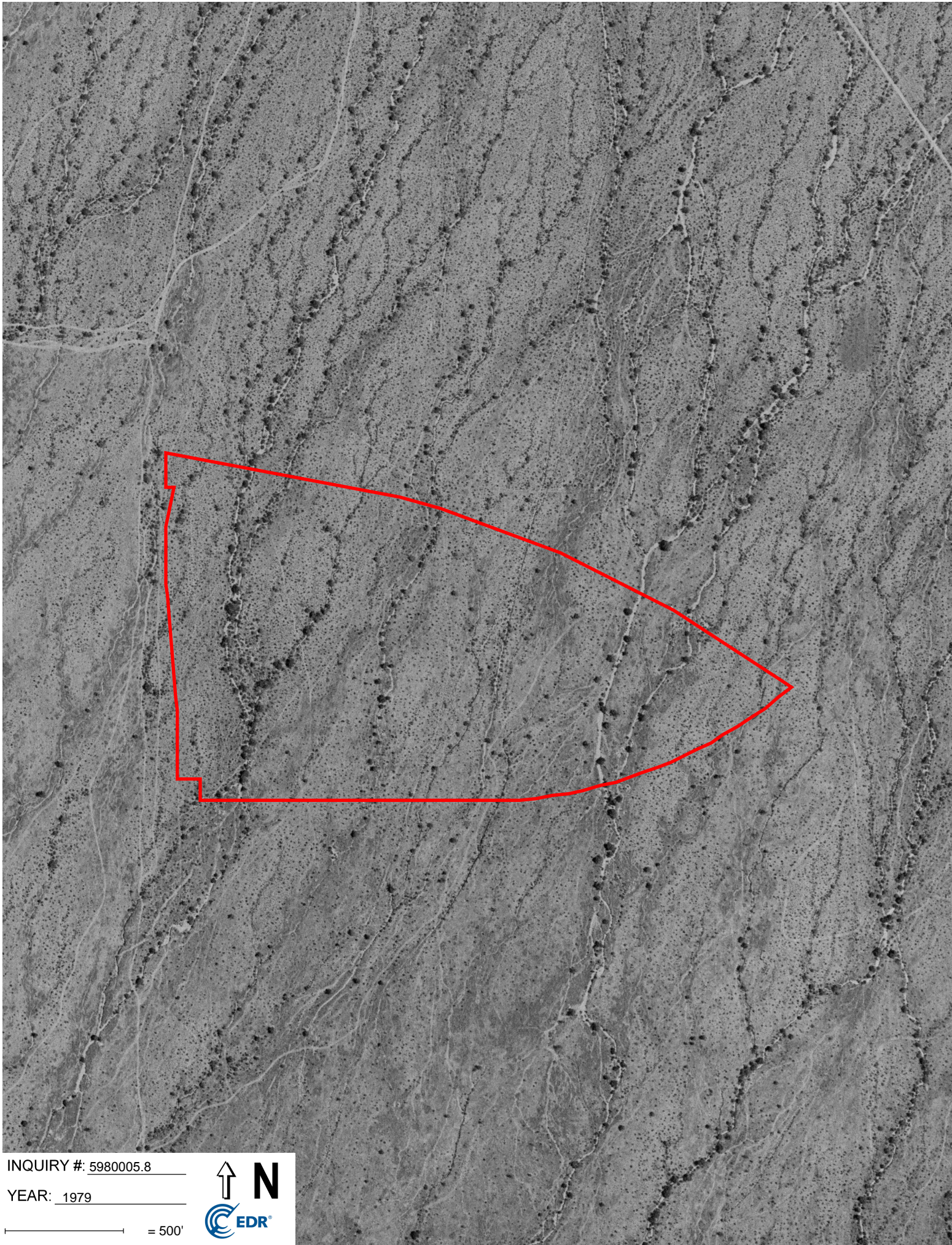


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YEAR: 1980

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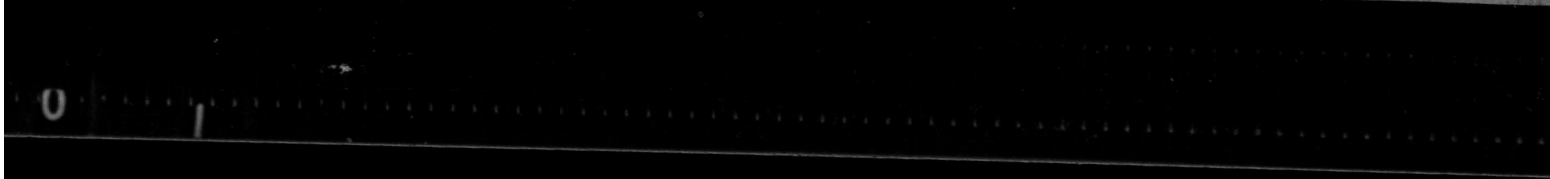
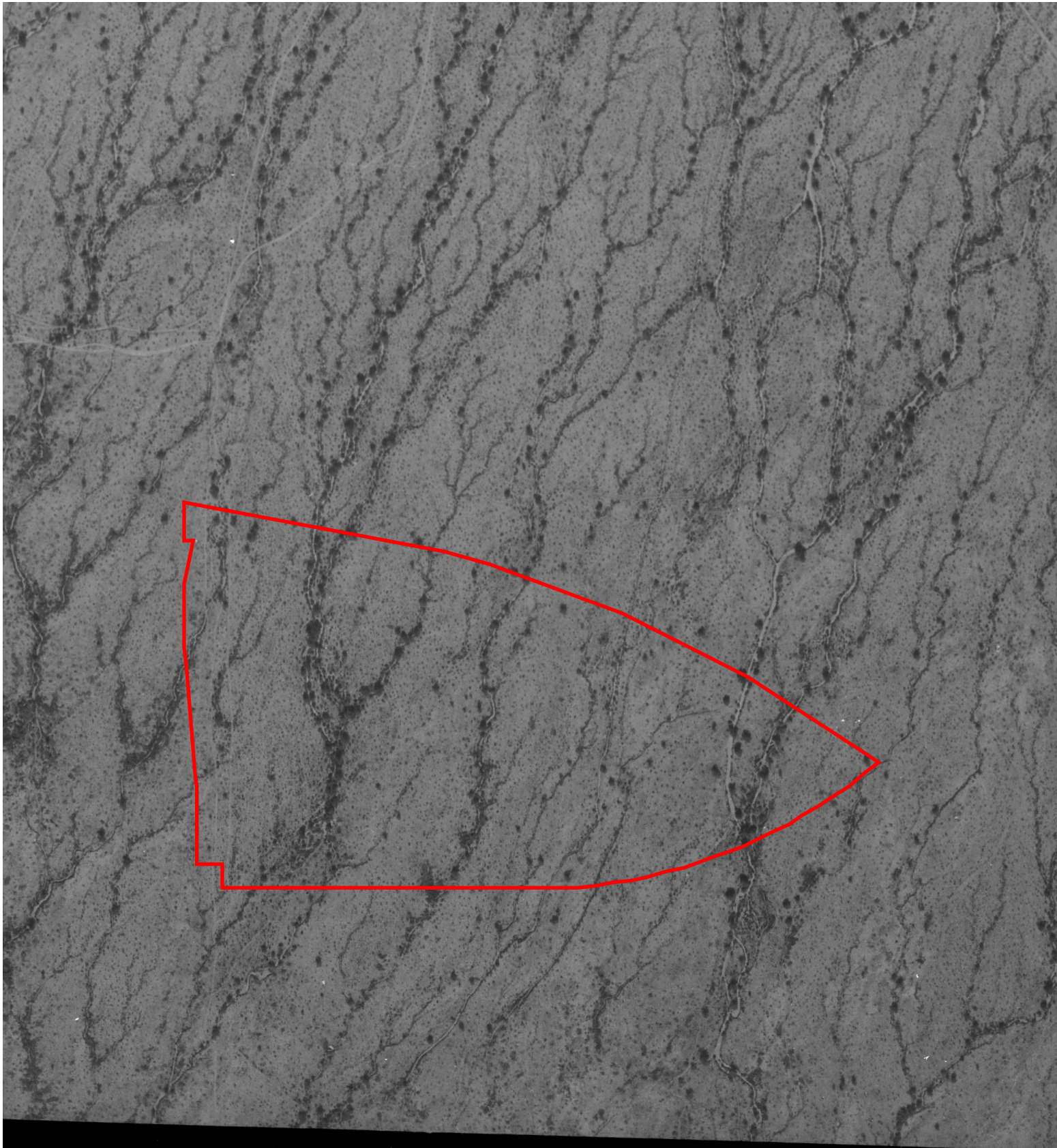


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YEAR: 1979

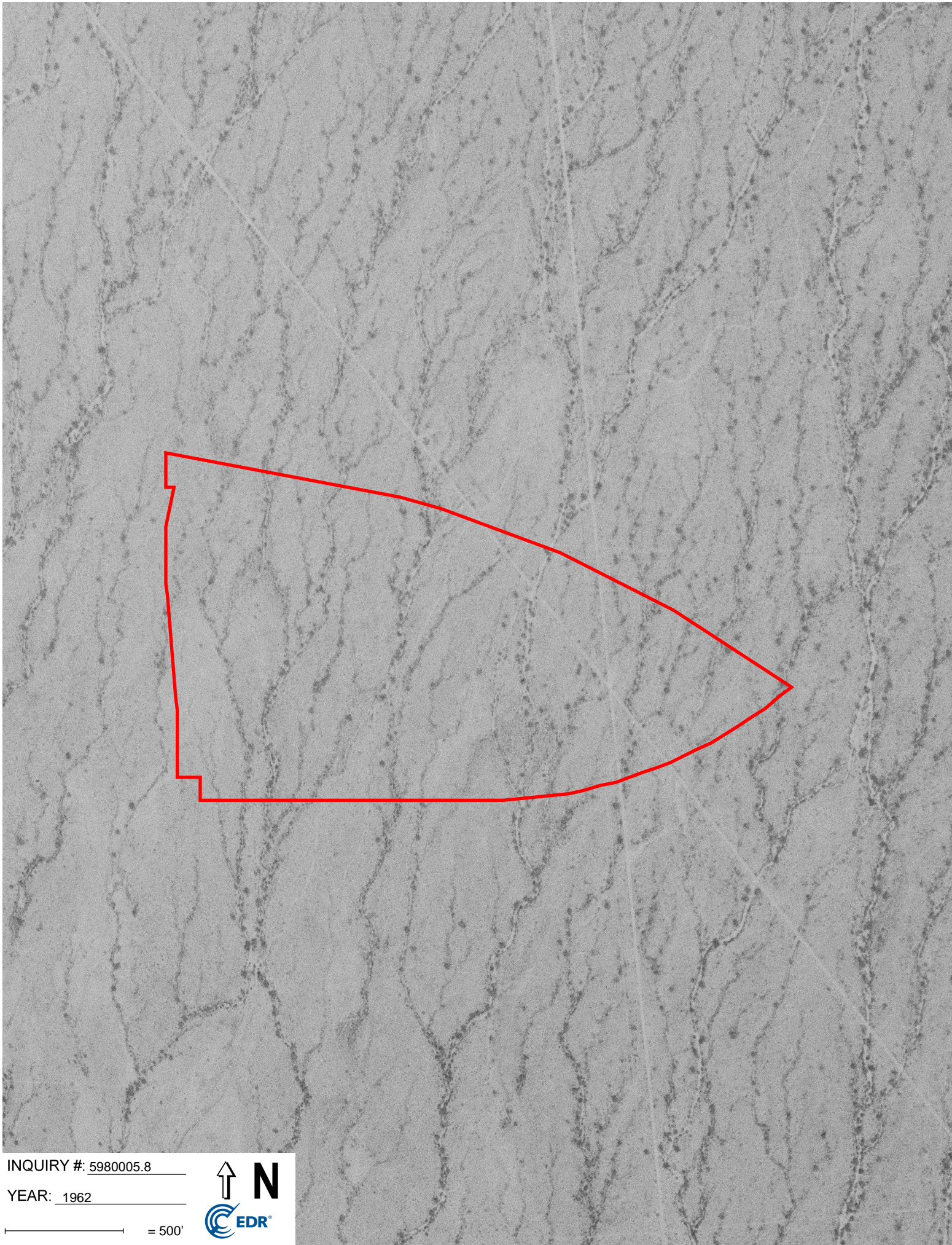
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INQUIRY #: 5980005.8
YEAR: 1976
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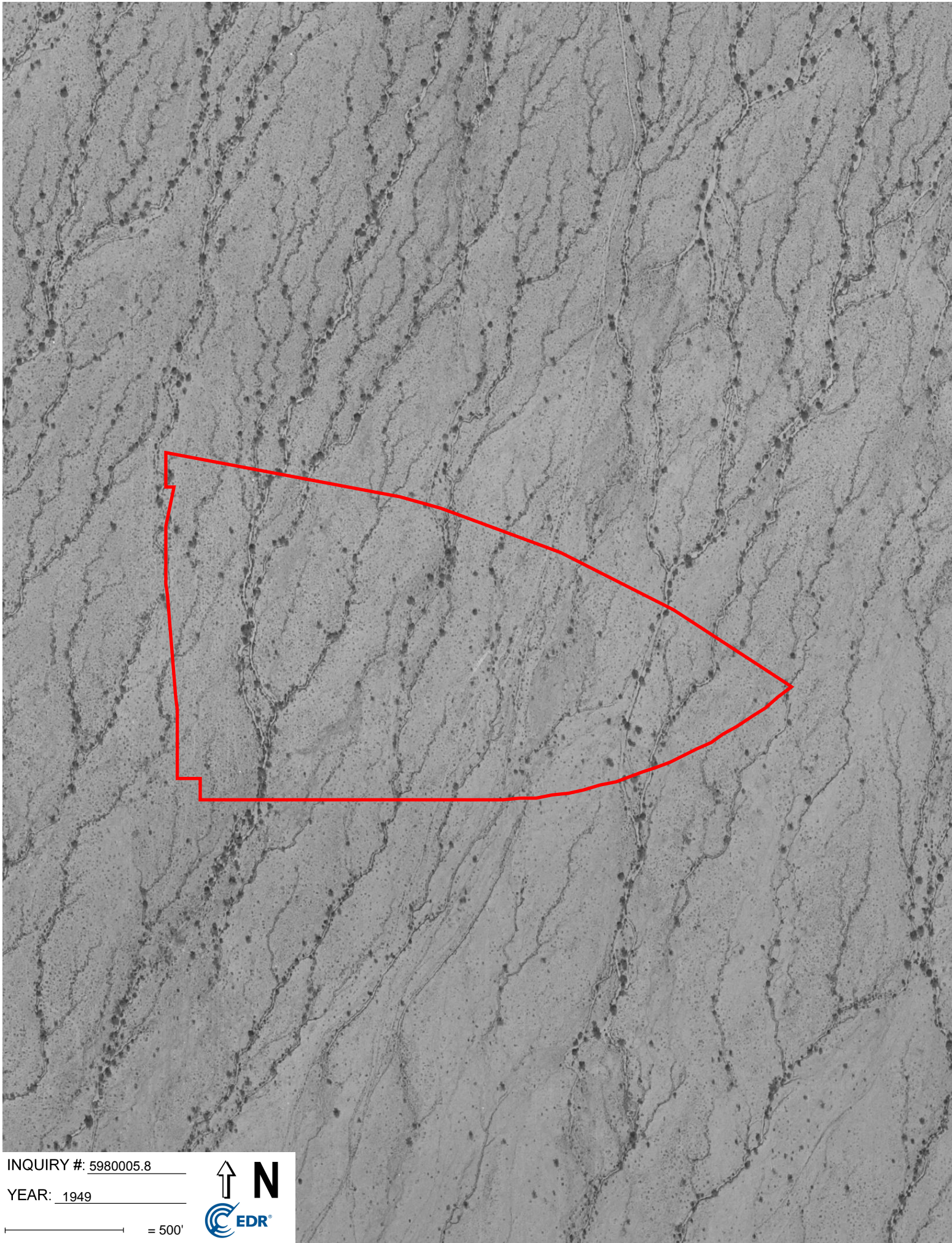


INQUIRY #: 5980005.8

YEAR: 1962

— = 500'





INQUIRY #: 5980005.8

YEAR: 1949

— = 500'



71-Acres of Vacant Land

SEC of North Hayden Road and State Route 101
Scottsdale, AZ 85255

Inquiry Number: 5980005.5
February 20, 2020

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 1320 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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infoUSA[®]

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2006	Hill-Donnelly Information Services	-	X	X	-
2001	Hill-Donnelly Information Services	-	X	X	-
1993	U S West Direct	-	X	X	-
1987	Mountain Bell A U S West Co.	-	-	-	-
1985	US WEST DIRECT	-	-	-	-
1982	R. L. Polk Co.	-	-	-	-
1979	R. L. Polk & Co.	-	-	-	-
1977	R. L. Polk & Co.	-	-	-	-
1970	The Mountain States Telephone and Telegraph Co.	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1968	R. L. Polk & Co.	-	-	-	-
1965	R. L. Polk & Co.	-	-	-	-
1964	R. L. Polk & Co.	-	-	-	-
1960	Mullin-Kille Co.	-	-	-	-
1955	Mullin-Kille Co.	-	-	-	-
1952	Mullin - Kille Company and Baldwin ConSurvey	-	-	-	-
1950	The Baldwin and Mullin-Kille Co.	-	-	-	-
1947	Southside Directory Company	-	-	-	-
1945	Phoenix Directory Co	-	-	-	-
1940	Arizona Directory Co.	-	-	-	-
1935	Arizona Directory Co.	-	-	-	-
1930	Arizona Directory Co	-	-	-	-
1925	Arizona Directory	-	-	-	-
1920	Arizona Directory	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
18400 North Hayden Road	Client Entered	
8300 East Pacesetter Way	Client Entered	X
7000 East Mayo Boulevard	Client Entered	
17851 North 85th Street	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

SEC of North Hayden Road and State Route 101
Scottsdale, AZ 85255

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E MARIA DR

8051 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Spencer Byron K	Hill-Donnelly Information Services
2001	Robinson G	Hill-Donnelly Information Services
	Robinson Greg	Hill-Donnelly Information Services

8056 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Hill-Donnelly Information Services

8059 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Coffinger M K A	Hill-Donnelly Information Services
2001	Coffinger M K Brig Gen Ret	Hill-Donnelly Information Services

8064 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Grady B T	Hill-Donnelly Information Services
	H Monger Gregg	Hill-Donnelly Information Services
2001	Monger Gregg	Hill-Donnelly Information Services

8067 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Gray TN	Hill-Donnelly Information Services
	H Goldstein D	Hill-Donnelly Information Services
2001	Vaughan John J	Hill-Donnelly Information Services

8072 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Kerrigan M	Hill-Donnelly Information Services
2001	Mag Tio TI	Hill-Donnelly Information Services

8075 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Fawcett P 3 J A	Hill-Donnelly Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	Fawcett P J	Hill-Donnelly Information Services

8080 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Alderson Cliff h	Hill-Donnelly Information Services
2001	Forsyth JC	Hill-Donnelly Information Services

8083 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Dalgart Sandy A	Hill-Donnelly Information Services
2001	Dalgart M	Hill-Donnelly Information Services

8088 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Dunigan Michael E v	Hill-Donnelly Information Services
	Dunigan Michael E	Hill-Donnelly Information Services
2001	Dunigan Michael E	Hill-Donnelly Information Services

8091 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Hill-Donnelly Information Services
2001	Levario BG	Hill-Donnelly Information Services

E Maria Dr

8096 E Maria Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	VELLAGIO HOMES L L C	EDR Digital Archive
	VELLAGIO HOMES L L C	EDR Digital Archive

E MARIA DR

8096 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	9 Harden Frank J A	Hill-Donnelly Information Services
2001	Dowd William	Hill-Donnelly Information Services

8099 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Palmeri 3 B	Hill-Donnelly Information Services
2001	Schwisler Allan L	Hill-Donnelly Information Services

FINDINGS

8104 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Glava E S	Hill-Donnelly Information Services
	H Harper Chris 480 502 3325 oo	Hill-Donnelly Information Services
2001	Glava E	Hill-Donnelly Information Services

E Maria Dr

8107 E Maria Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CELEBRITY REALTY GROUP LLC	EDR Digital Archive
	CELEBRITY REALTY GROUP LLC	EDR Digital Archive
2010	ILM HOLDINGS LLC	EDR Digital Archive
	CELEBRITY REALTY GROUP LLC	EDR Digital Archive
	ILM HOLDINGS LLC	EDR Digital Archive
	CELEBRITY REALTY GROUP LLC	EDR Digital Archive

E MARIA DR

8107 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HRegnier A	Hill-Donnelly Information Services
2001	No Current Listing	Hill-Donnelly Information Services

8112 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Lambom K D	Hill-Donnelly Information Services
2001	Lamborn KD	Hill-Donnelly Information Services

8115 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Robinson Rebecca A	Hill-Donnelly Information Services
2001	Eggiman Miles B	Hill-Donnelly Information Services

8120 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	11 Lefebre Joe 480 704 3831 s	Hill-Donnelly Information Services
2001	Berry RL	Hill-Donnelly Information Services
	Craig R	Hill-Donnelly Information Services

FINDINGS

8123 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Mitchell Bonnie A	Hill-Donnelly Information Services
	Mitchell Bonnie 480 664 18540os	Hill-Donnelly Information Services
2001	Minuto MG	Hill-Donnelly Information Services

8128 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Mitlin Leah A	Hill-Donnelly Information Services
2001	Mitlin Boris	Hill-Donnelly Information Services

8131 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Vahabzadeh M V	Hill-Donnelly Information Services
2001	Vahabzadeh M	Hill-Donnelly Information Services

8136 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Wiggins Steve	Hill-Donnelly Information Services
2001	Folino BP	Hill-Donnelly Information Services

8139 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Bourdo J R	Hill-Donnelly Information Services
	H Helnrich E F A	Hill-Donnelly Information Services
2001	Bourdo JR	Hill-Donnelly Information Services

E Maria Dr

8144 E Maria Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	THOMAS DANIELLE	EDR Digital Archive
	THOMAS DANIELLE	EDR Digital Archive

E MARIA DR

8144 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Recher Brian K	Hill-Donnelly Information Services
2001	Lippincott Lisa	Hill-Donnelly Information Services

FINDINGS

8147 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Engelmann Kurt	Hill-Donnelly Information Services
	H Helnrch E F A	Hill-Donnelly Information Services
2001	Engelmann Kurt	Hill-Donnelly Information Services

E Maria Dr

8152 E Maria Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	PARENTI COMMUNICATIONS LLC	EDR Digital Archive
	ZUBROD ASSOCIATES	EDR Digital Archive
	CAMPANA CASSIDY	EDR Digital Archive
	CAMPANA CASSIDY	EDR Digital Archive
	ZUBROD ASSOCIATES	EDR Digital Archive
	PARENTI COMMUNICATIONS LLC	EDR Digital Archive

E MARIA DR

8152 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Campana Cassidy K	Hill-Donnelly Information Services
	H Campana Cassidy	Hill-Donnelly Information Services
2001	Campana Cassidy	Hill-Donnelly Information Services
	Campana Cassidy	Hill-Donnelly Information Services

8155 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Campana Cassidy	Hill-Donnelly Information Services
	9 Burns Ernestine A	Hill-Donnelly Information Services
2001	Burns Ernestine	Hill-Donnelly Information Services

E Maria Dr

8160 E Maria Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CLARK INVESTIGATIONS	EDR Digital Archive
	CLARK INVESTIGATIONS	EDR Digital Archive
2010	CLARK INVESTIGATIONS	EDR Digital Archive
	CLARK INVESTIGATIONS	EDR Digital Archive

FINDINGS

E MARIA DR

8160 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Clark Robert AK	Hill-Donnelly Information Services
2001	CLARK ROBERT & KERRI Clark Robert	Hill-Donnelly Information Services Hill-Donnelly Information Services

8163 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Cowper Gayle A	Hill-Donnelly Information Services
2001	Mcqueen Jerold E	Hill-Donnelly Information Services

8168 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Suchowitz Manfred A	Hill-Donnelly Information Services
2001	Suchowilz Manfred	Hill-Donnelly Information Services

8171 E MARIA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Howell G A A	Hill-Donnelly Information Services
2001	Howell GA	Hill-Donnelly Information Services

E Theresa Dr

8042 E Theresa Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BE JEWELED BE JEWELED	EDR Digital Archive EDR Digital Archive

E THERESA DR

8042 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Charlson Reg Charison Reg	Hill-Donnelly Information Services Hill-Donnelly Information Services
2001	Charlson Karne	Hill-Donnelly Information Services

8050 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Gerlinger J T	Hill-Donnelly Information Services
2001	Michaelson C	Hill-Donnelly Information Services

FINDINGS

8053 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Misthal R	Hill-Donnelly Information Services
	Charison Reg	Hill-Donnelly Information Services
2001	Jackim Janet	Hill-Donnelly Information Services

8058 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Goodman Patricia H & Edward H	Hill-Donnelly Information Services
2001	Goodman Edward H	Hill-Donnelly Information Services

8061 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Charison Reg	Hill-Donnelly Information Services
	H Murphy CY v A	Hill-Donnelly Information Services
2001	Pearson Jeffrey E	Hill-Donnelly Information Services

8066 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Petro William M A	Hill-Donnelly Information Services
2001	U Petro William M	Hill-Donnelly Information Services

E Theresa Dr

8069 E Theresa Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	RIO VERDE HOMES LLC	EDR Digital Archive
	MICHAEL J BRUEN PLLC	EDR Digital Archive
	RIO VERDE HOMES LLC	EDR Digital Archive
	MICHAEL J BRUEN PLLC	EDR Digital Archive
2010	MICHAEL J BRUEN PLLC	EDR Digital Archive
	RIO VERDE HOMES LLC	EDR Digital Archive
	MICHAEL J BRUEN PLLC	EDR Digital Archive
	RIO VERDE HOMES LLC	EDR Digital Archive

E THERESA DR

8069 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Bruen Mike	Hill-Donnelly Information Services
	H Bruen Mike	Hill-Donnelly Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	Lamascus CA	Hill-Donnelly Information Services

E Theresa Dr

8074 E Theresa Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SUGAR POP COUTURE LLC	EDR Digital Archive
	SUGAR POP COUTURE LLC	EDR Digital Archive
2010	WU WEI ENTERPRISES INC	EDR Digital Archive
	SUGAR POP COUTURE LLC	EDR Digital Archive
	WU WEI ENTERPRISES INC	EDR Digital Archive
	SUGAR POP COUTURE LLC	EDR Digital Archive

E THERESA DR

8074 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Hubbard R A	Hill-Donnelly Information Services

8077 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Witczak MS	Hill-Donnelly Information Services
2001	Leiferman Scott	Hill-Donnelly Information Services

8082 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	h Lynn Carole A	Hill-Donnelly Information Services
2001	Lynn Carole	Hill-Donnelly Information Services

8085 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Carrozza John	Hill-Donnelly Information Services
	Carrozza John 0480 513 0523 o	Hill-Donnelly Information Services
2001	Carrozza John	Hill-Donnelly Information Services

8090 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Blankenship Norean A	Hill-Donnelly Information Services
2001	Kasle RM	Hill-Donnelly Information Services

FINDINGS

8093 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Mulloy Carol	Hill-Donnelly Information Services
	Mulloy Carol	Hill-Donnelly Information Services
2001	Riely S	Hill-Donnelly Information Services

E Theresa Dr

8098 E Theresa Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	JULIA BACON	EDR Digital Archive
	JULIA BACON	EDR Digital Archive

E THERESA DR

8098 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Bacon Julia & Gary	Hill-Donnelly Information Services
2001	Bacon Julia	Hill-Donnelly Information Services

8101 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Hill-Donnelly Information Services
2001	Epstein Myron	Hill-Donnelly Information Services

8106 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Evans Esther A	Hill-Donnelly Information Services
2001	Underhill M L	Hill-Donnelly Information Services

8109 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Hill-Donnelly Information Services
2001	No Current Listing	Hill-Donnelly Information Services

8114 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Mineweaser Richard L A	Hill-Donnelly Information Services
2001	Mineweaser Richard L	Hill-Donnelly Information Services

FINDINGS

8117 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Davy CA DC	Hill-Donnelly Information Services
	H Chou DW	Hill-Donnelly Information Services
2001	Davy Chris	Hill-Donnelly Information Services

E Theresa Dr

8122 E Theresa Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	PICK OF LITTER PET SITTING	EDR Digital Archive
	PICK OF LITTER PET SITTING	EDR Digital Archive

E THERESA DR

8122 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Cox Rachel & Craig v	Hill-Donnelly Information Services
	H Morgan D W + of	Hill-Donnelly Information Services
2001	Baker A J	Hill-Donnelly Information Services

8125 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Sisic Mihajlo	Hill-Donnelly Information Services
2001	Sisic Mihajl	Hill-Donnelly Information Services

8130 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Sheehan M V Ao	Hill-Donnelly Information Services
2001	Sheehan M V	Hill-Donnelly Information Services
	Schreimann M J	Hill-Donnelly Information Services

E Theresa Dr

8133 E Theresa Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	SKK VENTURES INC	EDR Digital Archive
	SANDWIND LLC	EDR Digital Archive
	WINDRAZ LLC	EDR Digital Archive
	SANDWIND LLC	EDR Digital Archive
	WINDRAZ LLC	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	SKK VENTURES INC	EDR Digital Archive

E THERESA DR

8133 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Winders Sandra	Hill-Donnelly Information Services
2001	Evans BL	Hill-Donnelly Information Services

E Theresa Dr

8138 E Theresa Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	BROWNER JOEL AGENT	EDR Digital Archive
	BROWNER JOEL AGENT	EDR Digital Archive

E THERESA DR

8138 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Goodman MJ 3 Aa o	Hill-Donnelly Information Services
2001	Greve JK	Hill-Donnelly Information Services

8141 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Kubala J D AL 9 S	Hill-Donnelly Information Services
2001	Kubala J 98 H	Hill-Donnelly Information Services

8146 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Taufbee J Jv o	Hill-Donnelly Information Services
2001	Lanning Tom	Hill-Donnelly Information Services

8149 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Kennett J D a	Hill-Donnelly Information Services
2001	EASY COME EASY GO TRAVELAGCY	Hill-Donnelly Information Services
	Kennett John	Hill-Donnelly Information Services

FINDINGS

8154 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Martin Alfred	Hill-Donnelly Information Services
2001	Martin Alfred	Hill-Donnelly Information Services

8157 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Pustetta Sandra AL 480 515 57519 S	Hill-Donnelly Information Services
2001	Pustetta Sandra	Hill-Donnelly Information Services

8162 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Patton John & Lols AL	Hill-Donnelly Information Services
2001	Patton John	Hill-Donnelly Information Services

8165 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Rundbaken Barbara & Lee Aa	Hill-Donnelly Information Services
2001	Runbaken Barbara	Hill-Donnelly Information Services

E Theresa Dr

8170 E Theresa Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	KWB INTERNATIONAL LLC	EDR Digital Archive
	KWB INTERNATIONAL LLC	EDR Digital Archive
2010	KWB INTERNATIONAL LLC	EDR Digital Archive
	COMPLETELY CANADIAN CO INC	EDR Digital Archive
	PROMO MART LLC	EDR Digital Archive
	PROMO MART LLC	EDR Digital Archive
	KWB INTERNATIONAL LLC	EDR Digital Archive
	COMPLETELY CANADIAN CO INC	EDR Digital Archive

E THERESA DR

8170 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Brown Kenneth W A 0480 538 00100 i	Hill-Donnelly Information Services
2001	Stewart Robert L	Hill-Donnelly Information Services

FINDINGS

8178 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Walwork Edward A 0480 513 3062 a	Hill-Donnelly Information Services
	H Morgan D W + of	Hill-Donnelly Information Services
2001	Medress Rhona	Hill-Donnelly Information Services

8186 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Isaac Richard P A	Hill-Donnelly Information Services
	H Isaac Richard P A	Hill-Donnelly Information Services
	Isaac Richard P	Hill-Donnelly Information Services
2001	Issac R	Hill-Donnelly Information Services

8194 E THERESA DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Kellum C A A	Hill-Donnelly Information Services
2001	Kellum CA	Hill-Donnelly Information Services

E UNION HILLS DR

8660 E UNION HILLS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	E O S	U S West Direct

East Pacesetter Way

8300 East Pacesetter Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	St Jude Medical Inc 1 480 538 2640 o S	Hill-Donnelly Information Services
2001	ST JUDE MEDICAL CRM DIVISION	Hill-Donnelly Information Services

N 80TH PL

17882 N 80TH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Boudreau 3 J	Hill-Donnelly Information Services
	HForeman C L	Hill-Donnelly Information Services
2001	Johannes Rick	Hill-Donnelly Information Services

17900 N 80TH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Gibler J L Vo	Hill-Donnelly Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	Harlig SC	Hill-Donnelly Information Services

17918 N 80TH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Francois John	Hill-Donnelly Information Services
2001	Francois John	Hill-Donnelly Information Services

17936 N 80TH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Sholeff T J	Hill-Donnelly Information Services
2001	Pullin DC	Hill-Donnelly Information Services

17954 N 80TH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Hill-Donnelly Information Services
2001	Ansari Bijan	Hill-Donnelly Information Services

N 81ST WAY

17833 N 81ST WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Certo HH	Hill-Donnelly Information Services
	H Adams R L AC	Hill-Donnelly Information Services
2001	Certo HH	Hill-Donnelly Information Services

N 81st Way

17851 N 81st Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	RTC/HAMILTON LLC	EDR Digital Archive
	RTC/HAMILTON LLC	EDR Digital Archive
2010	RTC/HAMILTON LLC	EDR Digital Archive
	RTC/HAMILTON LLC	EDR Digital Archive

N 81ST WAY

17851 N 81ST WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Hill-Donnelly Information Services
2001	Howard Tyrone	Hill-Donnelly Information Services

FINDINGS

17869 N 81ST WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Butler Glenn C	Hill-Donnelly Information Services
2001	Butler Glenn	Hill-Donnelly Information Services

N 81st Way

17887 N 81st Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	AZ PICK UP GAMES LLC	EDR Digital Archive
	AZ PICK UP GAMES LLC	EDR Digital Archive
2010	AZ PICK UP GAMES LLC	EDR Digital Archive
	AZ PICK UP GAMES LLC	EDR Digital Archive

N 81ST WAY

17887 N 81ST WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Venezia Judy	Hill-Donnelly Information Services
2001	Venezia Jim	Hill-Donnelly Information Services

N 81st Way

17905 N 81st Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BENEFIT PARTNERS	EDR Digital Archive
	BENEFIT PARTNERS	EDR Digital Archive
2010	BENEFIT PARTNERS	EDR Digital Archive
	BENEFIT PARTNERS	EDR Digital Archive

N 81ST WAY

17905 N 81ST WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Mma Benefit Partners i F	Hill-Donnelly Information Services
2001	SCHADE JAMES LUTCF	Hill-Donnelly Information Services
	Zimmerman Donovan Mma	Hill-Donnelly Information Services

17923 N 81ST WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Kerr Z F AO	Hill-Donnelly Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	Seibert Gregg	Hill-Donnelly Information Services
	Seibert Gregg	Hill-Donnelly Information Services

N 81st Way

17941 N 81st Way

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GLEESON & RINGOLD PROPERTIES L	EDR Digital Archive
	RETREAT HOUSE SCOTTSDALE LL	EDR Digital Archive
	GLEESON & RINGOLD PROPERTIES L	EDR Digital Archive
	RETREAT HOUSE SCOTTSDALE LL	EDR Digital Archive
2010	GLEESON & RINGOLD PROPERTIES L	EDR Digital Archive
	RETREAT HOUSE SCOTTSDALE LL	EDR Digital Archive
	RETREAT HOUSE SCOTTSDALE LL	EDR Digital Archive
	GLEESON & RINGOLD PROPERTIES L	EDR Digital Archive

N 81ST WAY

17941 N 81ST WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Baskin L AC	Hill-Donnelly Information Services
2001	Horvath W Jr	Hill-Donnelly Information Services

17959 N 81ST WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	H Catrop Ca R C	Hill-Donnelly Information Services
	Rubel G A	Hill-Donnelly Information Services
2001	Rubel G	Hill-Donnelly Information Services

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
17833 N 81ST WAY	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17851 N 81ST WAY	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17851 N 81st Way	2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17851 N 81st Way	2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17851 North 85th Street	2014, 2010, 2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17869 N 81ST WAY	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17882 N 80TH PL	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17887 N 81ST WAY	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17887 N 81st Way	2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17887 N 81st Way	2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17900 N 80TH PL	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17905 N 81ST WAY	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17905 N 81st Way	2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17905 N 81st Way	2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17918 N 80TH PL	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17923 N 81ST WAY	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17936 N 80TH PL	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17941 N 81ST WAY	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17941 N 81st Way	2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17941 N 81st Way	2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920
17954 N 80TH PL	2014, 2010, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920

FINDINGS

Address Not Identified in Research Source

[illegible]

FINDINGS

Address Not Identified in Research Source

[illegible]

FINDINGS

Address Researched

8660 E UNION HILLS DR

Address Not Identified in Research Source

2014, 2010, 2006, 2001, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

SEC of North Hayden Road
and State Route 101

Address Not Identified in Research Source

2014, 2010, 2006, 2001, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965,
1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920

Appendix E - Soil Map



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties



March 20, 2020

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map




Custom Soil Resource Report


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip


 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals


Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties
Survey Area Data: Version 13, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 1, 2018—Jun 1, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

MAP LEGEND

MAP INFORMATION

imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
55	Gilman loams	15.0	19.7%
90	Momoli gravelly sandy loam, 1 to 5 percent slopes	60.9	80.3%
Totals for Area of Interest		75.9	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties

55—Gilman loams

Map Unit Setting

National map unit symbol: 1s7n
Elevation: 1,100 to 2,200 feet
Mean annual precipitation: 7 to 10 inches
Mean annual air temperature: 70 to 73 degrees F
Frost-free period: 250 to 300 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Gilman and similar soils: 40 percent
Gilman and similar soils: 40 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gilman

Setting

Landform: Flood plains, alluvial fans
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread, dip
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

A - 0 to 5 inches: loam
C1 - 5 to 43 inches: very fine sandy loam
C2 - 43 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: High (about 9.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C
Ecological site: Limy Fan 3-7" p.z. (R040XC306AZ)
Hydric soil rating: No

Description of Gilman

Setting

Landform: Flood plains, alluvial fans
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread, dip
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

A - 0 to 5 inches: loam
C1 - 5 to 43 inches: very fine sandy loam
C2 - 43 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: High (about 9.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C
Ecological site: Loamy Upland 7-10" p.z. (R040XB213AZ)
Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 20 percent
Hydric soil rating: No

90—Momoli gravelly sandy loam, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1s9g
Elevation: 1,400 to 2,200 feet
Mean annual precipitation: 7 to 10 inches
Mean annual air temperature: 70 to 73 degrees F

Custom Soil Resource Report

Frost-free period: 250 to 300 days

Farmland classification: Not prime farmland

Map Unit Composition

Momoli and similar soils: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Momoli

Setting

Landform: Fan terraces

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Tread

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Mixed alluvium

Typical profile

A - 0 to 3 inches: gravelly sandy loam

Bw - 3 to 60 inches: very gravelly sandy loam

Properties and qualities

Slope: 1 to 5 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 5 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Available water storage in profile: Low (about 4.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A

Ecological site: Sandy Loam 7-10" p.z. Deep (R040XB221AZ)

Hydric soil rating: No

References

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Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

Appendix F -

Regulatory Agency Requests and Records

From: [Anthony Vinson \(Contractor\)](#)
To: [Christian Lewallen](#)
Subject: No Records Found, Request, Chris Lewallen (CTS# 397364)
Date: Friday, March 20, 2020 11:14:20 AM
Attachments: [Request.pdf](#)

Chris,

This is to inform you that there were no info/files found at this time from the information you provided, regarding this address: Southeast corner of

the Intersection of N. Hayden Road and AZ-101 in Scottsdale AZ

Please call me at the contact info below if you have any questions.

Anthony Vinson

RMC, File Coordinator/Research Analyst
Ph: 602.771.4354 (Direct)



azdeq.gov

Your feedback matters to ADEQ. Visit azdeq.gov/feedback

From: [Anthony Vinson \(Contractor\)](#)
To: [Christian Lewallen](#)
Subject: Receipt Confirmation: Form submission from: Request a Record, Chris Lewallen (CTS# 397364)
Date: Friday, March 20, 2020 10:55:46 AM

Chris,

We have received your request and will be contacting you once the files have been located, please use the CTS # in the subject line to refer to your request. If you have any questions, please contact the Records Management Center at (602) 771-4380.

Please Note: You can now research facilities independently from our website and submit record requests online. Please see the MegaSearch link at www.azdeq.gov. This application allows you to search records by facility name, file number, and address and submit a records request from the list of results. Please direct questions to the Records Management staff. We look forward to serving you.

Anthony Vinson

RMC, File Coordinator/Research Analyst
Ph: 602.771.4354 (Direct)



azdeq.gov

Your feedback matters to ADEQ. Visit azdeq.gov/feedback

On Fri, Mar 20, 2020 at 10:39 AM RecordsCenter - AZDEQ <recordscenter@azdeq.gov> wrote:

----- Forwarded message -----

From: Lewallen via ADEQ Arizona Department of Environmental Quality
<cdw1@azdeq.gov>
Date: Fri, Mar 20, 2020 at 8:54 AM
Subject: Form submission from: Request a Record
To: <recordscenter@azdeq.gov>

Submitted on Friday, March 20, 2020 - 08:54
Submitted by anonymous user: 63.146.22.122
Submitted values are:

First Name: Chris
Last Name: Lewallen
Company: Ninyo & Moore
Address: 3202 East Harbour Drive
City: Phoenix
State: Arizona
Zip: 85034
E-mail: clewallen@ninyoandmoore.com
Confirm E-mail: clewallen@ninyoandmoore.com
Phone: (602) 243-1600
Fax: (602) 243-2699
.... Records Information

To help locate requested files please provide any details you may know concerning the file, for example:

- * Current and/or Previous Site Name(s)
- * Site Address
- * ID Number (eg. RIMS, Site Code, Inspection Number, Licensing Time Frame (LTF) number, Case ID, AZPDES, Inventory Number, CTS Number, Public Water System Number, Task Assignment Number, etc.)
- * ADEQ Program Responsible

Enter File Details:

I am requesting and LUST, UST, APP, Drywell, hazardous materials records, or any other known records for the Property located at the Southeast corner of the Intersection of N. Hayden Road and AZ-101 in Scottsdale AZ. Maricopa County
APN# 215-07-210B.

Please contact me with any questions regarding this request.

Thank you,

-Chris Lewallen

How Would You Like to Review the Records? Scan and Send Digitally (fee may apply)

The results of this submission may be viewed at:

<https://azdeq.gov/node/219/submission/6472>



SEARCH

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RECORDS CENTER

[< RETURN TO RECORDS CENTER](#)

Request a Record

Records Center

Contact Information

First Name *

Chris

Last Name *

Lewallen

Company

Ninyo & Moore

Address

3202 East Harbour Drive

City

Phoenix

State

Arizona ▼

Zip *

85034

E-mail *

[BACK TO TOP](#)

Confirm E-mail *

Phone *

Fax

Records Information

To help locate requested files please provide any details you may know concerning the file, for example:

- Current and/or Previous Site Name(s)
- Site Address
- ID Number (eg. RIMS, Site Code, Inspection Number, Licensing Time Frame (LTF) number, Case ID, AZPDES, Inventory Number, CTS Number, Public Water System Number, Task Assignment Number, etc.)
- ADEQ Program Responsible

I am requesting any UST, LUST, APP, Drywell, Hazardous Materials, or any other know records for the Property at the southeastern corner of he intersection of North Hayden Road and Arizona State Route AZ-101 in Scottsdale, AZ. Maricopa County APN# 215-07-210B.

How Would You Like to Review the Records? *

- ☒ Scan and Send Digitally (fee may apply)
- ☐ Scan and Mail CD (fee may apply)
- ☐ Print and Mail (fee may apply)
- ☐ In-Person at the Records Center

SUBMIT

SEARCH DATABASES



COMPLAINTS



COMPLIANCE ASSISTANCE



FORMS



PERMIT APPLICATION STATUS



MEDIA/PRESS RELEASES



PUBLIC NOTICES



LAW & RULE



Select Language ▼

CONTACT US

ACCESSIBILITY POLICY

CIVIL RIGHTS

SITE POLICY

OPENBOOKS

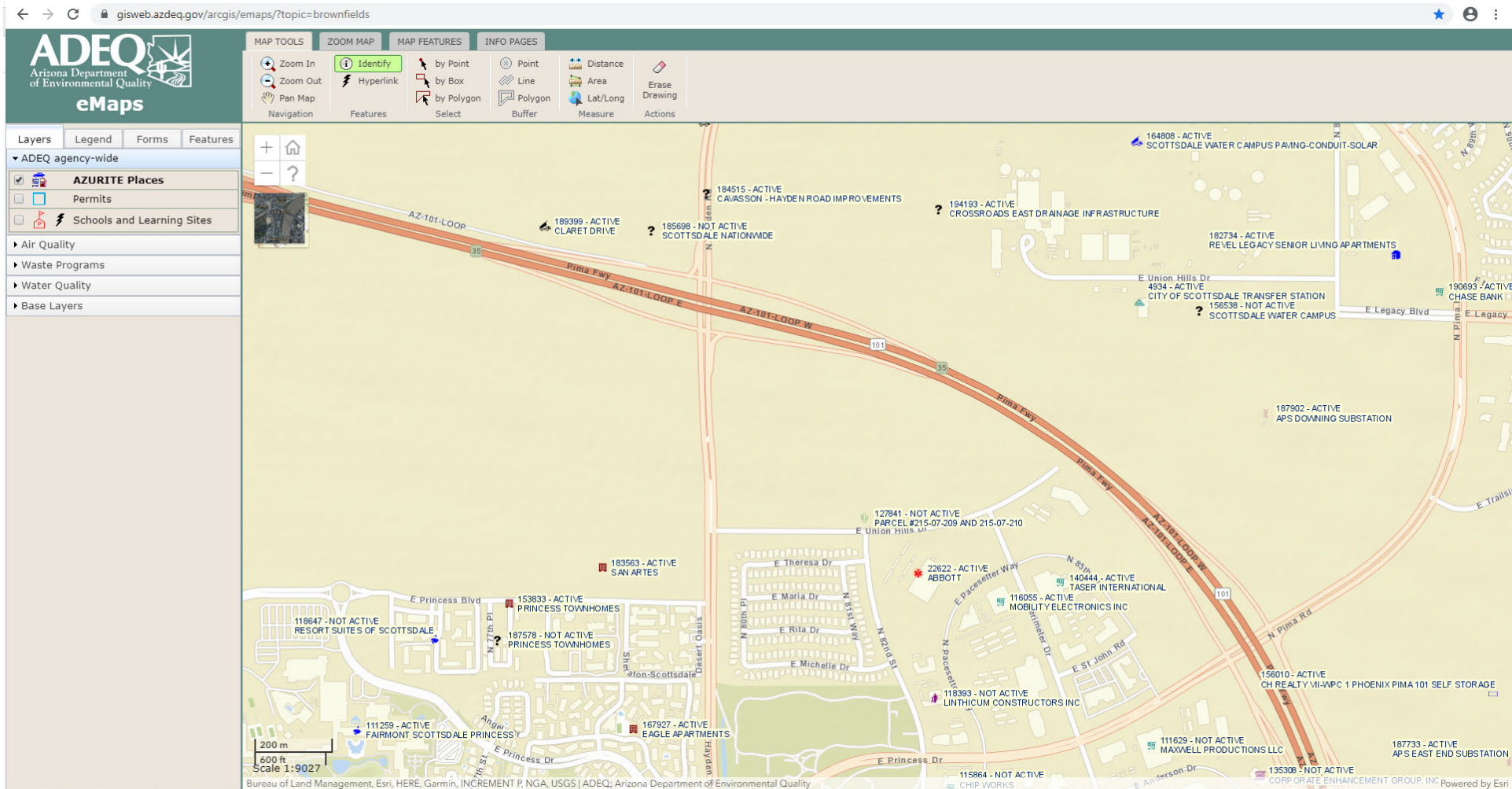
PROCUREMENT

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Fire Department

8401 E. Indian School Road
Scottsdale, AZ 85251

PHONE 480-312-8000

WEB www.Scottsdalefd.com

PUBLIC RECORDS REQUEST INFORMATION AND INSTRUCTION SHEET

Instructions:

1. Complete this form, providing as much information as possible. Listed below are specific instructions that need to be followed when submitting a records request:
 - If the records request is a fire service activity history search no range of addresses will be accepted. Each address being requested must be listed separately on the form.
 - The release of medical records is governed by the Health Insurance Portability and Accountability Act (HIPAA). In order to fill a records request for Emergency Medical Services (EMS) information, one or more of the following criteria must be met:
 - The patient is 18 years of age or older with one of the following:
 - Requestor is the patient and has an original or a copy of a photo ID.
 - Requestor has notarized authorization and a copy of a photo ID from the patient. Protected Health Information form and a photo ID
 - Requestor has a notarized power of attorney for the patient.
 - If the patient is under 18 years of age, one of the following is required:
 - Requestor has an original or notarized copy of the patient's birth certificate.
 - Requestor has an original or notarized copy showing Court appointed guardianship of the patient.
 - Requestor has an original or notarized copy of the patient's birth certificate or Court appointed guardianship papers and a notarized letter stating that the parents or guardian allow the requestor to have the information.
2. Submit the records request form with payment to:
 - City of Scottsdale Fire Department
Attn: Records Custodian
8401 E Indian School Road
Scottsdale, Arizona 85251
 - Payment must accompany this request or it will be returned.
3. Record requests will be accepted from walk-ins but may not be available at that time.
4. Record requests may be mailed to you or picked up when ready.

Cost:

Fire Department Incident Report	\$ 5.00
EMS Report	\$ 5.00
Fire Incident Investigation Report	\$ 5.00
Fire Scene Photos on CD	\$ 5.00
Fire Inspection History Report	\$10.00 (per location)
Other Requests (Per City Clerk Fee Schedule)	\$.25 per page

Ambulance and medical billing information is not provided through the City/Fire Department. Please contact Maricopa Ambulance at 1-844-597-4911 for all medical and ambulance billing requests for dates of service after February 16, 2018.



Fire Department

8401 E. Indian School Road
Scottsdale, AZ 85251

PHONE 480-312-8000
FAX 480-312-1887
WEB www.Scottsdalefd.com

**Authorization for Release of Medical Records
(to be completed for EMS Requests only)**

Name: _____ Date of Birth: _____

Address: _____ Phone # _____

Date of Incident: _____ Time of Incident: _____ Incident #: _____

Location of Incident: _____

Relationship to Patient (Check One): ☐ I am the Patient ☐ Parent/Guardian if under 18 ☐ Personal Representative ☐ Power of Attorney for the Patient ☐ Attorney with signed authorization from the Patient

Name of Requester, if not the Patient: _____

Pursuant to A.R.S §12-2294, I authorize the disclosure of Emergency Medical Services records to the following persons/entities listed below:

Name: _____

Address: _____

Name: _____

Address: _____

Patient/Authorized Signature: _____ Date: _____

- In order to fill a records request for Emergency Medical Services (EMS) information, one or more of the following criteria must be met and the supporting documents must be attached to this request:
 - The patient is 18 years of age or older with one of the following:
 - Requestor is the patient and has an original or a copy of a photo ID.
 - Requestor has a signed authorization and a copy of a photo ID from the patient.
 - Requestor has a notarized power of attorney for the patient
 - Requestor meets the requirements of A.R.S §12-2294 (D) in the event the patient is deceased.
 - If the patient is under 18 years of age, one of the following is required:
 - Requestor is a parent and has an original or certified copy of the patient's birth certificate listing him or her as a parent.
 - Requestor has an original or certified copy showing court appointed guardianship of the patient.
 - Requestor has an original or certified copy of the patient's birth certificate or court appointed guardianship papers and a letter stating that the parents or guardian authorize release of the records to the requestor.

Appendix G - Environmental Database

71-Acres of Vacant Land

SEC of North Hayden Road and State Route 101
Scottsdale, AZ 85255

Inquiry Number: 5980005.2s
February 20, 2020

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SEC OF NORTH HAYDEN ROAD AND STATE ROUTE 101
SCOTTSDALE, AZ 85255

COORDINATES

Latitude (North):	33.6513150 - 33° 39' 4.73"
Longitude (West):	111.9040350 - 111° 54' 14.52"
Universal Transverse Mercator:	Zone 12
UTM X (Meters):	416171.5
UTM Y (Meters):	3723668.8
Elevation:	1592 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6718001 CURRYS CORNER, AZ
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150601
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
SEC OF NORTH HAYDEN ROAD AND STATE ROUTE 101
SCOTTSDALE, AZ 85255

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	SAINT JUDE MEDICAL	8300 E PACESETTER WA	RCRA-SQG, FINDS, ECHO, EMAP, Enforcement, MANIFEST	Lower	608, 0.115, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

AZ NPL..... NPL Detail Listing

AZ WQARF..... Water Quality Assurance Revolving Fund Sites

State- and tribal - equivalent CERCLIS

SPL..... Superfund Program List

SHWS..... ZipAcids List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Directory of Solid Waste Facilities

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tank Listing

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

UST..... Underground Storage Tank Listing

AST..... List of Aboveground Storage Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AZURITE..... Remediation and DEUR/VEMUR Tracking System

AUL..... DEUR Database

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Remediation Program Sites

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Tracking System

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE..... Solid Waste Tire Facilities

EXECUTIVE SUMMARY

INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODI.....	Open Dump Inventory
IHS OPEN DUMPS.....	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL.....	Delisted National Clandestine Laboratory Register
CDL.....	Clandestine Drug Labs
US CDL.....	National Clandestine Laboratory Register

Local Land Records

LIENS 2.....	CERCLA Lien Information
--------------	-------------------------

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
SPILLS.....	Hazardous Material Logbook
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File

EXECUTIVE SUMMARY

ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Arizona Airs Database
Aquifer.....	Waste Water Treatment Facilities
AZ DOD.....	Department of Defense Sites
Dry Wells.....	Drywell Registration
DRYCLEANERS.....	Drycleaner Facility Listing
EMAP.....	All Places of Interest Listing
Enforcement.....	Enforcement and Violation Listing
Financial Assurance.....	Financial Assurance Information Listing
SPDES.....	NPDES
VAPOR.....	Vapor Intrusion
UIC.....	Underground Injection Control Wells
WWFAC.....	Waste Water Treatment Facilities
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAINT JUDE MEDICAL EPA ID:: AZR000005728	8300 E PACESETTER WA	SE 0 - 1/8 (0.115 mi.)	1	8

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2017 has revealed that there is 1 MANIFEST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAINT JUDE MEDICAL EPA Id: AZR000005728	8300 E PACESETTER WA	SE 0 - 1/8 (0.115 mi.)	1	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

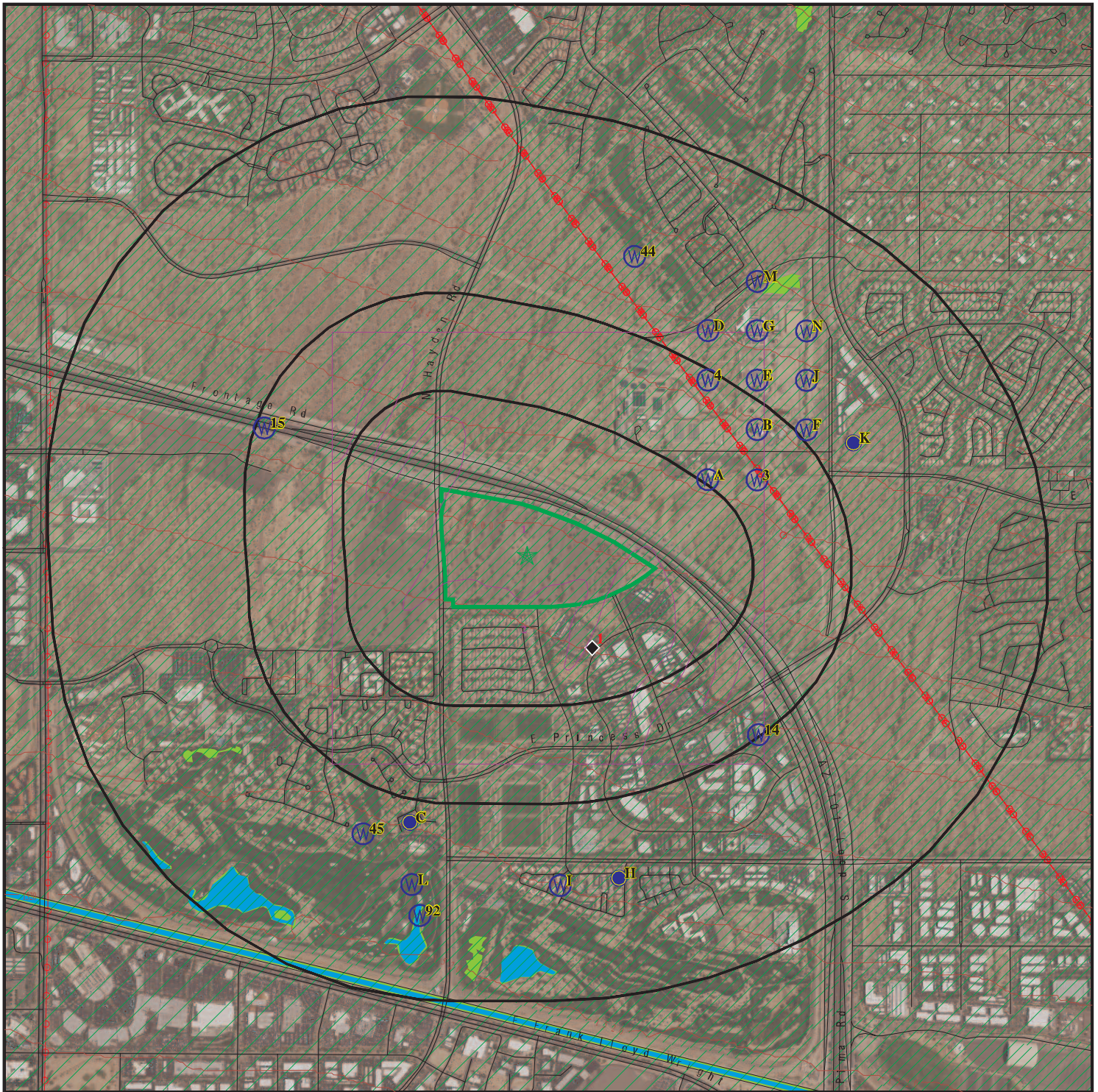
Site Name

K-MART DRY CLEANERS
K-MART DRY CLEANERS

Database(s)

DRYCLEANERS
DRYCLEANERS

OVERVIEW MAP - 5980005.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

DOD Sites: AZ DEQ

Water Quality Assurance Revolving Fund Areas

AZ NPL

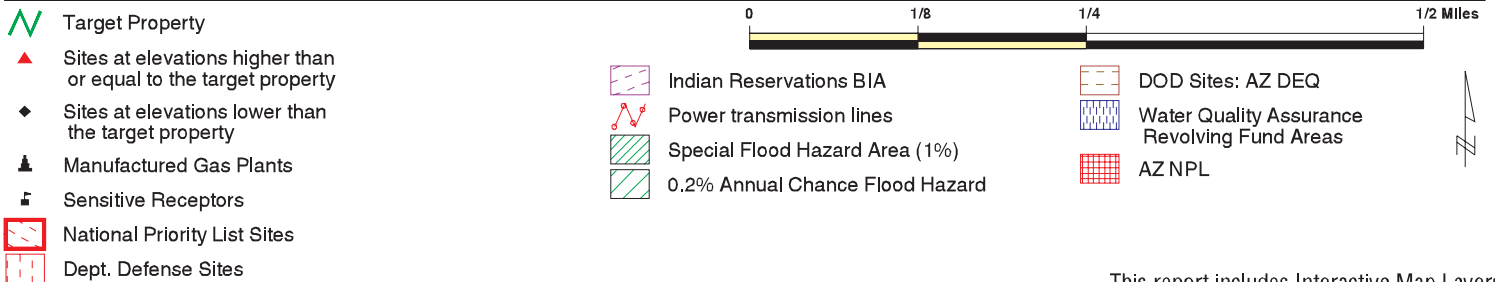
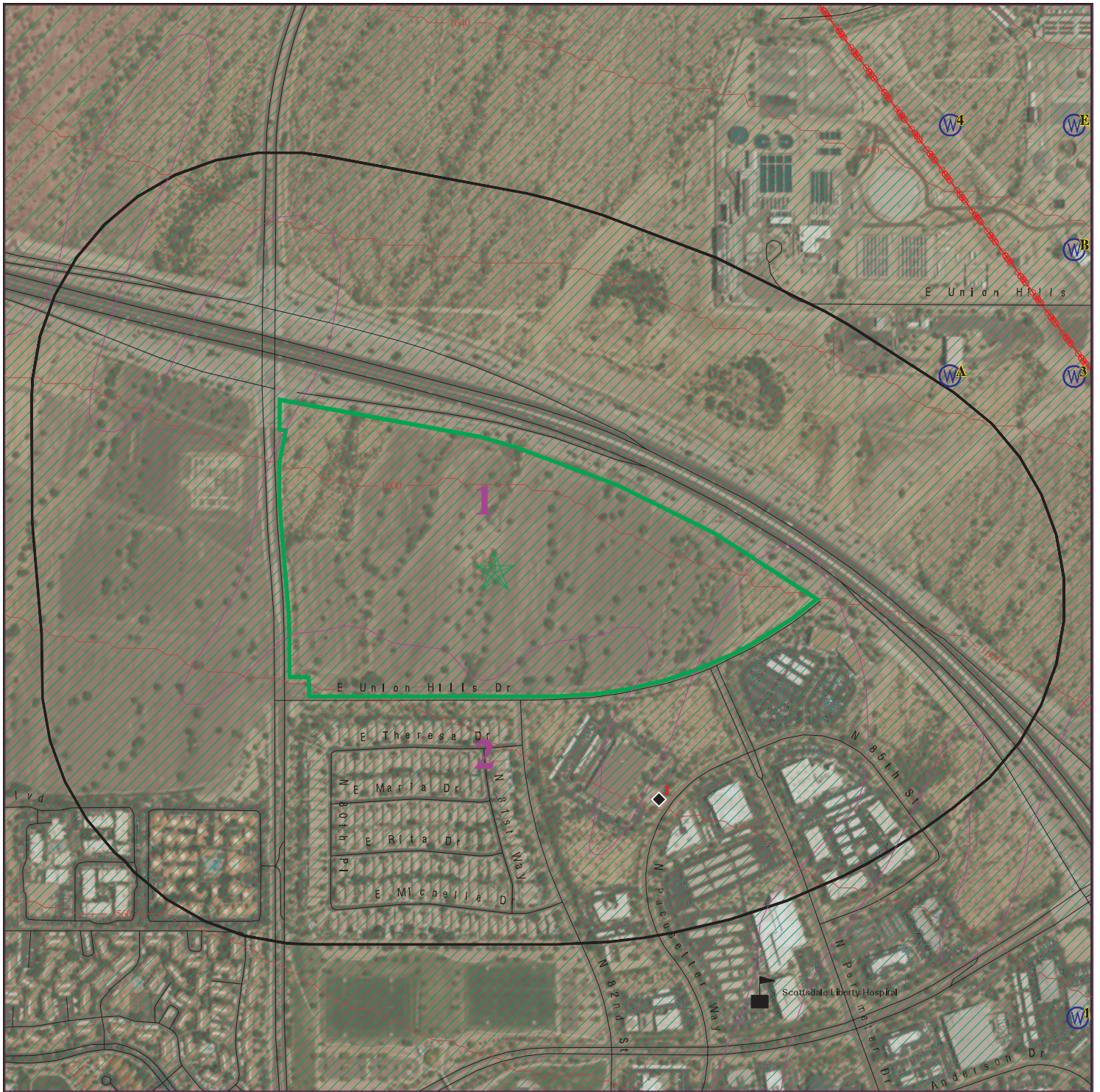


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 71-Acres of Vacant Land
ADDRESS: SEC of North Hayden Road and State Route 101
Scottsdale AZ 85255
LAT/LONG: 33.651315 / 111.904035

CLIENT: Ninyo & Moore
CONTACT: Christian Lewallen
INQUIRY #: 5980005.2s
DATE: February 20, 2020 5:02 pm

DETAIL MAP - 5980005.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 71-Acres of Vacant Land
 ADDRESS: SEC of North Hayden Road and State Route 101
 Scottsdale AZ 85255
 LAT/LONG: 33.651315 / 111.904035

CLIENT: Ninyo & Moore
 CONTACT: Christian Lewallen
 INQUIRY #: 5980005.2s
 DATE: February 20, 2020 5:03 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
AZ NPL	1.000		0	0	0	0	NR	0
AZ WQARF	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SPL	1.000		0	0	0	0	NR	0
SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AZURITE	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
Aquifer	TP		NR	NR	NR	NR	NR	0
AZ DOD	0.500		0	0	0	NR	NR	0
Dry Wells	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMAP	TP		NR	NR	NR	NR	NR	0
Enforcement	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		1	0	NR	NR	NR	1
SPDES	TP		NR	NR	NR	NR	NR	0
VAPOR	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WWFAC	0.500		0	0	0	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	2	0	0	0	0	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

1
SE
< 1/8
0.115 mi.
608 ft.

SAINT JUDE MEDICAL
8300 E PACESETTER WAY
SCOTTSDALE, AZ 85255

RCRA-SQG
FINDS
ECHO
EMAP
Enforcement
MANIFEST

1001126612
AZR000005728

Relative:
Lower

Actual:
1581 ft.

RCRA-SQG:

Date form received by agency: 2018-02-13 00:00:00.0
Facility name: SAINT JUDE MEDICAL
Facility address: 8300 E PACESETTER WAY
SCOTTSDALE, AZ 85255-5429
EPA ID: AZR000005728
Contact: MARK RIOS
Contact address: 8300 E PACESETTER WAY
SCOTTSDALE, AZ 85255-5429
Contact country: Not reported
Contact telephone: 623-326-9640
Contact email: MARK.RIOS@ABBOTT.COM
EPA Region: 09
Land type: Other land type
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2017-02-08 00:00:00.0
Site name: SAINT JUDE MEDICAL
Classification: Small Quantity Generator

Date form received by agency: 2016-04-15 00:00:00.0
Site name: SAINT JUDE MEDICAL
Classification: Small Quantity Generator

Date form received by agency: 2015-03-03 00:00:00.0
Site name: SAINT JUDE MEDICAL
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAINT JUDE MEDICAL (Continued)

1001126612

Date form received by agency: 2014-02-13 00:00:00.0
Site name: SAINT JUDE MEDICAL
Classification: Small Quantity Generator

Date form received by agency: 2012-02-27 00:00:00.0
Site name: SAINT JUDE MEDICAL
Classification: Small Quantity Generator

Date form received by agency: 2011-04-21 00:00:00.0
Site name: SAINT JUDE MEDICAL
Classification: Small Quantity Generator

Date form received by agency: 2010-03-29 00:00:00.0
Site name: SAINT JUDE MEDICAL
Classification: Small Quantity Generator

Date form received by agency: 2009-02-13 00:00:00.0
Site name: SAINT JUDE MEDICAL
Classification: Small Quantity Generator

Date form received by agency: 2008-02-22 00:00:00.0
Site name: SAINT JUDE MEDICAL
Classification: Small Quantity Generator

Date form received by agency: 2007-03-12 00:00:00.0
Site name: SAINT JUDE MEDICAL
Classification: Small Quantity Generator

Date form received by agency: 2005-02-01 00:00:00.0
Site name: PACESETTER INC / ST JUDE
Classification: Small Quantity Generator

Date form received by agency: 1997-01-10 00:00:00.0
Site name: PACESETTER INC
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2004-09-28 00:00:00.0
Date achieved compliance: 2004-12-14 00:00:00.0
Violation lead agency: State
Enforcement action: FOCUSED COMPLIANCE INSPECTION
Enforcement action date: 2004-11-23 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2004-09-28 00:00:00.0
Date achieved compliance: 2004-12-14 00:00:00.0
Violation lead agency: State
Enforcement action: FOCUSED COMPLIANCE INSPECTION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAINT JUDE MEDICAL (Continued)

1001126612

Enforcement action date: 2004-11-23 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 2004-09-28 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 2004-12-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2004-09-28 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - Pre-transport
Date achieved compliance: 2004-12-14 00:00:00.0
Evaluation lead agency: State

FINDS:

Registry ID: 110002603479

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AZURITE (Arizona Unified Repository For Informational Tracking Of The Environment) is the Arizona Department of Environmental Quality (ADEQ) database that is used for environmental enforcement and compliance reporting to the Permit and Compliance (PCS) system and to the Air Facility System Universal Interface (AFS-UI).

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1001126612
Registry ID: 110002603479
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002603479>

EMAP:

Name: ABBOTT
Address: 8300 E PACESETTER WAY
City,State,Zip: SCOTTSDALE, AZ 85255
ID Number: 22622
Township: Not reported
Range: Not reported
Section: Not reported
Quarter 1: Not reported
Quarter 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAINT JUDE MEDICAL (Continued)

1001126612

Quarter 3: Not reported
Latitude: 33.6484710
Longitude: -111.9021420
Collection Method: LOCATED FROM COUNTY PARCEL INFORMATION
Place Type: MEDICAL SUPPLY & EQUIPMENT MANUFACTURING
Place Type Code: MEDS
Place C Code: PP
Facility Status: ACTIVE
End Date: Not reported
Verified: Y

ENF:

Facility ID: 22622
Facility Name: SAINT JUDE MEDICAL
Address: 8300 E PACESETTER WAY
City,State,Zip: SCOTTSDALE, AZ 85255
Case ID: 32769
Facility Type: ELECTRONICS MANUFACTURING PLANT
Notice Type: Not reported
Notice Issue Date: 11/23/2004
Order Type: Not reported
Order Issue Date: Not reported
Closed Date: 01/03/2005
Facility Status: Case Closed
Env Program: HAZARDOUS WASTE PROGRAM
Notice Type Code: Not reported

AZ MANIFEST:

Report Year: 2012
EPA Id: AZR000005728
Business Type: Not reported
Mailing Address: Not reported
Mailing State: Not reported
Contact Name: Not reported
Contact Phone: Not reported
Management Methods: H010
Date Generator Signed The Manifest: Not reported
Transporter EPA Id Number: Not reported
Date Transporter Signed The Manifest: Not reported
TSD EPA Id Number: Not reported
Volume: Not reported
Date TSD Signed Manifest: Not reported
DOT Id Number: NA3077
Quantity: 178
Waste Code 1: D008
Waste Code 2: D011
Waste Code 3: Not reported
Waste Code 4: Not reported
Waste Code 5: Not reported
Waste Code 6: Not reported
Waste Code 7: Not reported
Waste Code 8: Not reported
Waste Code 10: Not reported
Waste Code 9: Not reported
Waste Code 11: Not reported
Waste Code 12: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAINT JUDE MEDICAL (Continued)

1001126612

Waste Code 13:	Not reported
Report Year:	2017
EPA Id:	AZR000005728
Business Type:	Not reported
Mailing Address:	Not reported
Mailing State:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Management Methods:	H010
Date Generator Signed The Manifest:	Not reported
Transporter EPA Id Number:	Not reported
Date Transporter Signed The Manifest:	Not reported
TSD EPA Id Number:	Not reported
Volume:	Not reported
Date TSD Signed Manifest:	Not reported
DOT Id Number:	NA3077
Quantity:	429
Waste Code 1:	D008,D011
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Waste Code 7:	Not reported
Waste Code 8:	Not reported
Waste Code 10:	Not reported
Waste Code 9:	Not reported
Waste Code 11:	Not reported
Waste Code 12:	Not reported
Waste Code 13:	Not reported
Report Year:	2015
EPA Id:	AZR000005728
Business Type:	Not reported
Mailing Address:	Not reported
Mailing State:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Management Methods:	H141
Date Generator Signed The Manifest:	Not reported
Transporter EPA Id Number:	Not reported
Date Transporter Signed The Manifest:	Not reported
TSD EPA Id Number:	Not reported
Volume:	Not reported
Date TSD Signed Manifest:	Not reported
DOT Id Number:	UN1993
Quantity:	500
Waste Code 1:	D001
Waste Code 2:	D008
Waste Code 3:	D011
Waste Code 4:	F003
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Waste Code 7:	Not reported
Waste Code 8:	Not reported
Waste Code 10:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAINT JUDE MEDICAL (Continued)

1001126612

Waste Code 9: Not reported
Waste Code 11: Not reported
Waste Code 12: Not reported
Waste Code 13: Not reported

Report Year: 2017
EPA Id: AZR000005728
Business Type: Not reported
Mailing Address: Not reported
Mailing State: Not reported
Contact Name: Not reported
Contact Phone: Not reported
Management Methods: H010
Date Generator Signed The Manifest: Not reported
Transporter EPA Id Number: Not reported
Date Transporter Signed The Manifest: Not reported
TSD EPA Id Number: Not reported
Volume: Not reported
Date TSD Signed Manifest: Not reported
DOT Id Number: NA3077
Quantity: 138
Waste Code 1: D011
Waste Code 2: Not reported
Waste Code 3: Not reported
Waste Code 4: Not reported
Waste Code 5: Not reported
Waste Code 6: Not reported
Waste Code 7: Not reported
Waste Code 8: Not reported
Waste Code 10: Not reported
Waste Code 9: Not reported
Waste Code 11: Not reported
Waste Code 12: Not reported
Waste Code 13: Not reported

Report Year: 2016
EPA Id: AZR000005728
Business Type: Not reported
Mailing Address: Not reported
Mailing State: Not reported
Contact Name: Not reported
Contact Phone: Not reported
Management Methods: H141
Date Generator Signed The Manifest: Not reported
Transporter EPA Id Number: Not reported
Date Transporter Signed The Manifest: Not reported
TSD EPA Id Number: Not reported
Volume: Not reported
Date TSD Signed Manifest: Not reported
DOT Id Number: UN1992
Quantity: 370
Waste Code 1: D001,D008,D011,
Waste Code 2: Not reported
Waste Code 3: Not reported
Waste Code 4: Not reported
Waste Code 5: Not reported
Waste Code 6: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAINT JUDE MEDICAL (Continued)

1001126612

Waste Code 7:	Not reported
Waste Code 8:	Not reported
Waste Code 10:	Not reported
Waste Code 9:	Not reported
Waste Code 11:	Not reported
Waste Code 12:	Not reported
Waste Code 13:	Not reported
Report Year:	2016
EPA Id:	AZR000005728
Business Type:	Not reported
Mailing Address:	Not reported
Mailing State:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Management Methods:	Not reported
Date Generator Signed The Manifest:	Not reported
Transporter EPA Id Number:	Not reported
Date Transporter Signed The Manifest:	Not reported
TSD EPA Id Number:	Not reported
Volume:	Not reported
Date TSD Signed Manifest:	Not reported
DOT Id Number:	UN1992
Quantity:	776
Waste Code 1:	D001,D008,D011,
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Waste Code 7:	Not reported
Waste Code 8:	Not reported
Waste Code 10:	Not reported
Waste Code 9:	Not reported
Waste Code 11:	Not reported
Waste Code 12:	Not reported
Waste Code 13:	Not reported
Report Year:	2009
EPA Id:	AZR000005728
Business Type:	Not reported
Mailing Address:	Not reported
Mailing State:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Management Methods:	H040
Date Generator Signed The Manifest:	Not reported
Transporter EPA Id Number:	Not reported
Date Transporter Signed The Manifest:	Not reported
TSD EPA Id Number:	Not reported
Volume:	Not reported
Date TSD Signed Manifest:	Not reported
DOT Id Number:	UN3175
Quantity:	525
Waste Code 1:	D001
Waste Code 2:	Not reported
Waste Code 3:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAINT JUDE MEDICAL (Continued)

1001126612

Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Waste Code 7:	Not reported
Waste Code 8:	Not reported
Waste Code 10:	Not reported
Waste Code 9:	Not reported
Waste Code 11:	Not reported
Waste Code 12:	Not reported
Waste Code 13:	Not reported
Report Year:	2011
EPA Id:	AZR000005728
Business Type:	Not reported
Mailing Address:	Not reported
Mailing State:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Management Methods:	H040
Date Generator Signed The Manifest:	Not reported
Transporter EPA Id Number:	Not reported
Date Transporter Signed The Manifest:	Not reported
TSD EPA Id Number:	Not reported
Volume:	Not reported
Date TSD Signed Manifest:	Not reported
DOT Id Number:	UN1993
Quantity:	633
Waste Code 1:	D001
Waste Code 2:	D006
Waste Code 3:	D007
Waste Code 4:	D008
Waste Code 5:	D009
Waste Code 6:	D011
Waste Code 7:	Not reported
Waste Code 8:	Not reported
Waste Code 10:	Not reported
Waste Code 9:	Not reported
Waste Code 11:	Not reported
Waste Code 12:	Not reported
Waste Code 13:	Not reported
Report Year:	2016
EPA Id:	AZR000005728
Business Type:	Not reported
Mailing Address:	Not reported
Mailing State:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Management Methods:	H010
Date Generator Signed The Manifest:	Not reported
Transporter EPA Id Number:	Not reported
Date Transporter Signed The Manifest:	Not reported
TSD EPA Id Number:	Not reported
Volume:	Not reported
Date TSD Signed Manifest:	Not reported
DOT Id Number:	NA3077
Quantity:	153

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAINT JUDE MEDICAL (Continued)

1001126612

Waste Code 1:	D011
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Waste Code 7:	Not reported
Waste Code 8:	Not reported
Waste Code 10:	Not reported
Waste Code 9:	Not reported
Waste Code 11:	Not reported
Waste Code 12:	Not reported
Waste Code 13:	Not reported
Report Year:	2016
EPA Id:	AZR000005728
Business Type:	Not reported
Mailing Address:	Not reported
Mailing State:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Management Methods:	H141
Date Generator Signed The Manifest:	Not reported
Transporter EPA Id Number:	Not reported
Date Transporter Signed The Manifest:	Not reported
TSD EPA Id Number:	Not reported
Volume:	Not reported
Date TSD Signed Manifest:	Not reported
DOT Id Number:	UN3175
Quantity:	160
Waste Code 1:	D001
Waste Code 2:	Not reported
Waste Code 3:	Not reported
Waste Code 4:	Not reported
Waste Code 5:	Not reported
Waste Code 6:	Not reported
Waste Code 7:	Not reported
Waste Code 8:	Not reported
Waste Code 10:	Not reported
Waste Code 9:	Not reported
Waste Code 11:	Not reported
Waste Code 12:	Not reported
Waste Code 13:	Not reported

[Click this hyperlink](#) while viewing on your computer to access
99 additional AZ MANIFEST: record(s) in the EDR Site Report.

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SCOTTSDALE	S113877474	K-MART DRY CLEANERS	HAYDEN & MCDOWELL		DRYCLEANERS
SCOTTSDALE	S113877475	K-MART DRY CLEANERS	HAYDEN&MCDOWELL		DRYCLEANERS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: N/A
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/05/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: N/A
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/05/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 800-424-9346
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/05/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/27/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019	Source: EPA
Date Data Arrived at EDR: 12/16/2019	Telephone: 800-424-9346
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/04/2019	Source: Department of the Navy
Date Data Arrived at EDR: 11/13/2019	Telephone: 843-820-7326
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/10/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/22/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/22/2019	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 11/22/2019
Number of Days to Update: 67	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/22/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/22/2019	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 11/22/2019
Number of Days to Update: 67	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

AZ NPL: NPL Detail Listing

Detailed site information for NPL sites from the Arizona Department of Environmental Quality.

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 64

Source: Department of Environmental Quality
Telephone: 602-771-4609
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

WQARF: Water Quality Assurance Revolving Fund Sites

Sites which may have an actual or potential impact upon the waters of the state, cause by hazardous substances. The WQARF program provides matching funds to political subdivisions and other state agencies for clean-up activities.

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 64

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SPL: Superfund Program List

The list is representative of the sites and potential sites within the jurisdiction of the Superfund Program Section. It is comprised of the following elements: 1) Water Quality Assurance Revolving Fund Registry Sites; 2) Potential WQARF Registry sites; 3) NPL sites; and 4) Department of Defense sites requiring SPS oversight.

Date of Government Version: 08/25/2004
Date Data Arrived at EDR: 04/04/2018
Date Made Active in Reports: 05/17/2018
Number of Days to Update: 43

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: No Update Planned

SHWS: ZipAcids List

The ACIDS list consists of more than 750 locations subject to investigation under the State Water Quality Assurance Revolving Fund (WQARF) and Federal CERCLA programs. The list is no longer updated by the state.

Date of Government Version: 01/03/2000
Date Data Arrived at EDR: 04/11/2000
Date Made Active in Reports: 05/16/2000
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: No Update Planned

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Directory of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 10/18/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 56

Source: Department of Environmental Quality
Telephone: 602-771-2300
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Listing

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/11/2019
Date Data Arrived at EDR: 07/12/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 73

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/17/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 12/16/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2019	Telephone: 415-972-3372
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 01/24/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019	Source: FEMA
Date Data Arrived at EDR: 08/28/2019	Telephone: 202-646-5797
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 01/21/2020
Number of Days to Update: 75	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Varies

UST: Underground Storage Tank Listing

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/11/2019	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/12/2019	Telephone: 602-771-4345
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 01/10/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Annually

AST: List of Aboveground Storage Tanks

Aboveground storage tanks that the Dept. of Building & Fire Safety have permitted.

Date of Government Version: 12/05/2019	Source: Department of Building & Fire Safety
Date Data Arrived at EDR: 12/06/2019	Telephone: 602-364-1003
Date Made Active in Reports: 01/31/2020	Last EDR Contact: 12/05/2019
Number of Days to Update: 56	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: No Update Planned

AST 2: Aboveground Storage Tank Listing

A listing of aboveground storage tank site locations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/05/2019
Date Data Arrived at EDR: 07/02/2019
Date Made Active in Reports: 09/17/2019
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 12/09/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AZURITE: Remediation and DEUR/VEMUR Tracking System

ADEQ maintains a repository listing sites remediated under programs administered by the department.

Date of Government Version: 11/19/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 11

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Varies

AUL: DEUR Database

Activity and use limitations include both engineering controls and institutional controls. DEUR and VEMUR sites. DEUR: Declaration of Environmental Use Restriction. A restrictive land use covenant that is required when a property owner elects to use an institutional (i.e., administrative) control or engineering (i.e., physical) control as a means to meet remediation goals. The DEUR runs with and burdens the land, and requires maintenance of any institutional or engineering controls. VEMUR: Voluntary Environmental Mitigation Use Restriction. A restrictive land use covenant that, prior to July 18, 2000, was required when a property owner elected to remediate the property to non-residential uses. Effective July 18, 2000, the DEUR replaced the VEMUR as a restrictive use covenant.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 10/04/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 69

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Voluntary Remediation Program Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 02/08/2019

Date Data Arrived at EDR: 04/23/2019

Date Made Active in Reports: 06/03/2019

Number of Days to Update: 41

Source: Department of Environmental Quality

Telephone: 602-771-4411

Last EDR Contact: 12/19/2019

Next Scheduled EDR Contact: 04/13/2020

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7

Telephone: 913-551-7365

Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Tracking System

Information relating to Brownfields sites in Arizona.

Date of Government Version: 02/08/2019

Date Data Arrived at EDR: 04/23/2019

Date Made Active in Reports: 06/03/2019

Number of Days to Update: 41

Source: Department of Environmental Quality

Telephone: 602-771-4401

Last EDR Contact: 12/19/2019

Next Scheduled EDR Contact: 04/13/2020

Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019

Date Data Arrived at EDR: 06/04/2019

Date Made Active in Reports: 08/26/2019

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-2777

Last EDR Contact: 12/16/2019

Next Scheduled EDR Contact: 03/30/2020

Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Solid Waste Tire Facilities

A waste tire "facility" means a solid waste facility at which waste tires are stored outdoors on any day.

Date of Government Version: 12/06/2019

Date Data Arrived at EDR: 12/09/2019

Date Made Active in Reports: 01/31/2020

Number of Days to Update: 53

Source: Department of Environmental Quality

Telephone: 602-771-4132

Last EDR Contact: 11/20/2019

Next Scheduled EDR Contact: 03/09/2020

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab seizures in Arizona.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 43

Source: Board of Technical Registration
Telephone: 602-364-4931
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/13/2019	Telephone: 202-307-1000
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 11/20/2019
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/30/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/05/2020	Telephone: 202-564-6023
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/05/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/05/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/06/2019	Telephone: 202-366-4555
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 12/06/2019
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

SPILLS: Hazardous Material Logbook

Chemical spills and incidents referred to the Emergency Response Unit.

Date of Government Version: 11/15/2001	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/28/2007	Telephone: 602-771-4153
Date Made Active in Reports: 07/24/2007	Last EDR Contact: 11/20/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2001	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/11/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/12/2019	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 11/19/2019	Telephone: 202-528-4285
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/19/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 06/01/2020
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/10/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 01/09/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/13/2020
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 8

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/06/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 78

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2019	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 10/09/2019	Telephone: Varies
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 01/06/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015	Source: EPA/NTIS
Date Data Arrived at EDR: 02/22/2017	Telephone: 800-424-9346
Date Made Active in Reports: 09/28/2017	Last EDR Contact: 12/16/2019
Number of Days to Update: 218	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 01/07/2020
Number of Days to Update: 546	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017	Source: Department of Energy
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-586-3559
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 01/31/2020
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/18/2020
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 11/15/2019
Number of Days to Update: 74	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/30/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/05/2020	Telephone: 703-603-8787
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/05/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admini
Telephone: 202-693-9424
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/25/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 64

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 11/22/2019
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019	Source: Department of Interior
Date Data Arrived at EDR: 09/10/2019	Telephone: 202-208-2609
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/12/2019	Source: EPA
Date Data Arrived at EDR: 09/04/2019	Telephone: (415) 947-8000
Date Made Active in Reports: 12/03/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 90	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 01/13/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 04/27/2020
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 10/06/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/08/2019	Telephone: 202-564-2280
Date Made Active in Reports: 01/02/2020	Last EDR Contact: 01/07/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Quarterly

AIRS: Arizona Airs Database

Arizona major (has the potential to emit over 100 tons of criteria pollutant) and minor (below 100 tons) sources.

Date of Government Version: 10/24/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 48

Source: Department of Environmental Quality
Telephone: 602-771-2344
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Semi-Annually

AQUIFER: Waste Water Treatment Facilities

Waste Water Treatment Facilities with APP (Aquifer Protection Permits.)

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 49

Source: Department of Environmental Quality
Telephone: 602-771-4623
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

These sites are federal facilities that are either being assessed for potential contamination, or have active remediation taking place on them.

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 64

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

DRY WELLS: Drywell Registration

A drywell is a bored, drilled, or driven shaft or hole whose depth is greater than its width and is designed and constructed specifically for the disposal of storm water.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 08/20/2019
Number of Days to Update: 68

Source: Department of Environmental Quality
Telephone: 602-771-4686
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaner facilities in Arizona.

Date of Government Version: 04/11/2014
Date Data Arrived at EDR: 04/15/2014
Date Made Active in Reports: 05/12/2014
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 602-771-4335
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EMAP: All Places of Interest Listing

A listing of all places of interest to the Department of Environmental Quality, including air, waste and water sites.

Date of Government Version: 10/07/2019
Date Data Arrived at EDR: 10/09/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 64

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

ENF: Enforcement and Violation Listing

A listing of enforcement and violation cases in the state of Arizona.

Date of Government Version: 11/26/2019
Date Data Arrived at EDR: 11/27/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 57

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information for ust sites.

Date of Government Version: 10/22/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/06/2020
Number of Days to Update: 73

Source: Department of Environmental Quality
Telephone: 602-771-4258
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

AZ MANIFEST: Manifest Information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Annually

NPDES: Notice of Intent Construction Stormwater General Permits Database

NPDES permit sites

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 44

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

VAPOR: Vapor Intrusion

A listing of vapor intrusion site locations

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52

Source: Department of Environmental Quality
Telephone: 602-771-4197
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

Underground injection control wells.

Date of Government Version: 09/30/2015
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 60

Source: Arizona Geological Survey
Telephone: 520-770-3500
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WWFAC: Waste Water Treatment Facilities

Statewide list of waste water treatment facilities.

Date of Government Version: 07/09/2012

Date Data Arrived at EDR: 07/23/2012

Date Made Active in Reports: 09/06/2012

Number of Days to Update: 45

Source: Department of Environmental Quality

Telephone: 602-771-4623

Last EDR Contact: 01/17/2020

Next Scheduled EDR Contact: 05/04/2020

Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018

Date Data Arrived at EDR: 10/21/2019

Date Made Active in Reports: 10/24/2019

Number of Days to Update: 3

Source: USGS

Telephone: 703-648-6533

Last EDR Contact: 11/22/2019

Next Scheduled EDR Contact: 03/09/2020

Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/03/2020
Number of Days to Update: 60

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 01/30/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/18/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/18/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facilities & Group Homes

Source: Department of Health Services

Telephone: 602-674-4220

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters

Source: State Land Department

Telephone: 602-542-4094

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

71-ACRES OF VACANT LAND
SEC OF NORTH HAYDEN ROAD AND STATE ROUTE 101
SCOTTSDALE, AZ 85255

TARGET PROPERTY COORDINATES

Latitude (North):	33.651315 - 33° 39' 4.73"
Longitude (West):	111.904035 - 111° 54' 14.53"
Universal Transverse Mercator:	Zone 12
UTM X (Meters):	416171.5
UTM Y (Meters):	3723668.8
Elevation:	1592 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6718001 CURRYS CORNER, AZ
Version Date:	2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

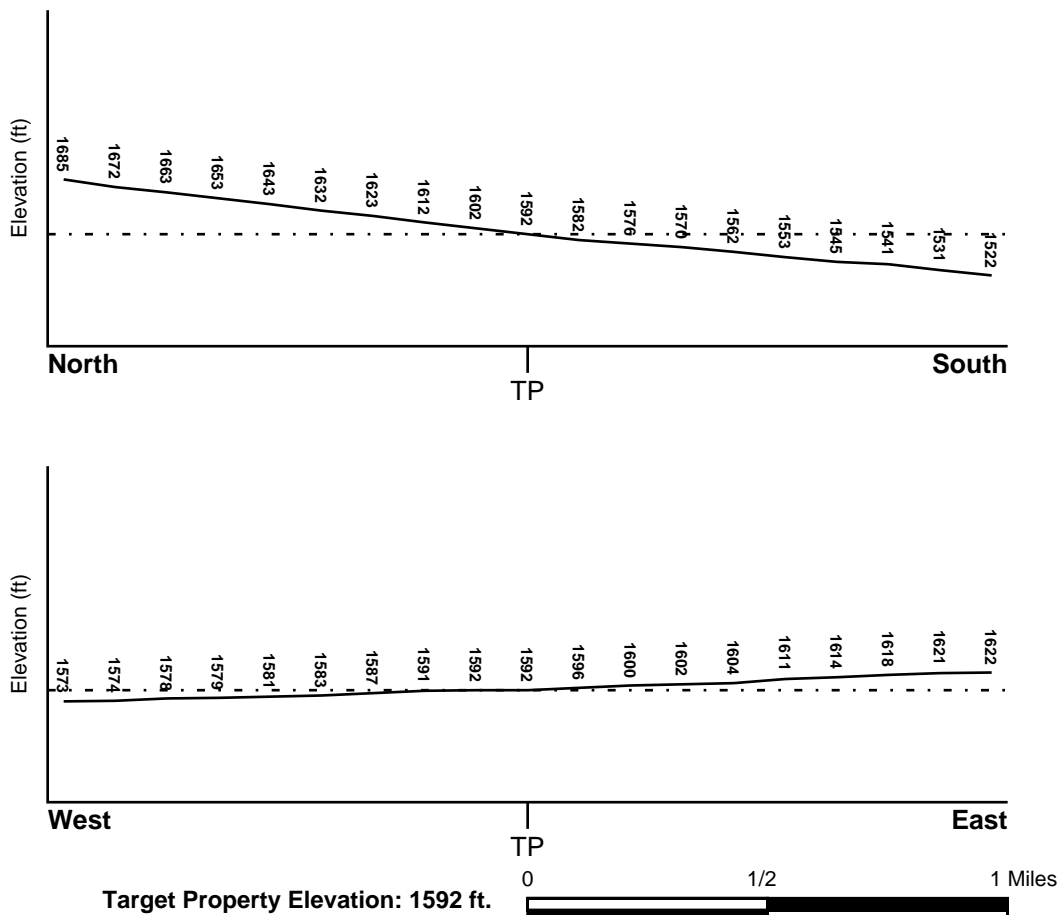
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property

04013C1320L

Additional Panels in search area:

Not Reported

FEMA Source Type

FEMA FIRM Flood data

FEMA Source Type

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property

NOT AVAILABLE

NWI Electronic

Data Coverage

YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles

Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

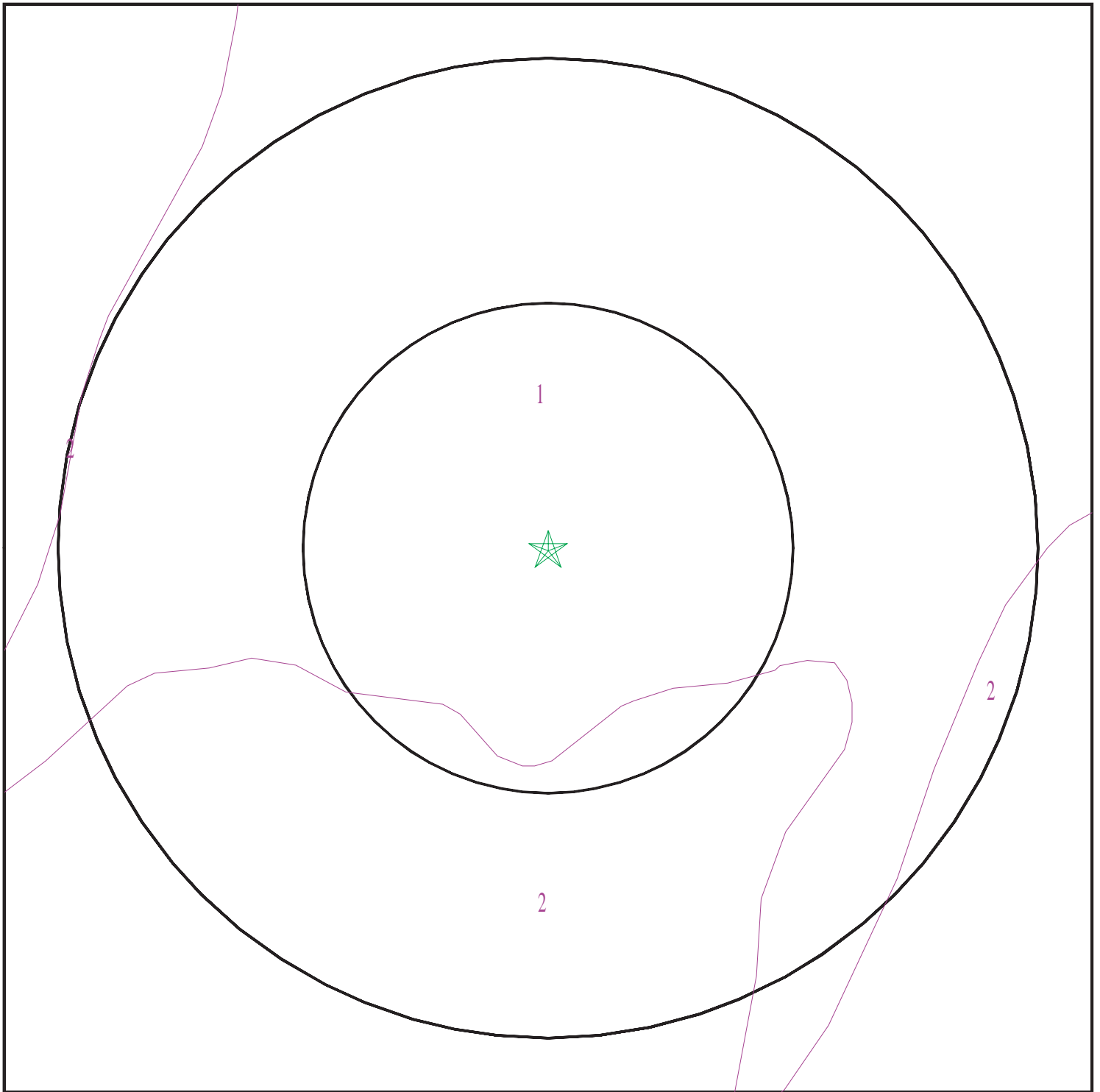
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5980005.2s



- ★ Target Property
- ∕ SSURGO Soil
- ∕ Water

0 1/16 1/8 1/4 Miles



SITE NAME: 71-Acres of Vacant Land
ADDRESS: SEC of North Hayden Road and State Route 101
Scottsdale AZ 85255
LAT/LONG: 33.651315 / 111.904035

CLIENT: Ninyo & Moore
CONTACT: Christian Lewallen
INQUIRY #: 5980005.2s
DATE: February 20, 2020 5:03 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: MOMOLI

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	GC-GM	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	3 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	GC-GM	Max: 42 Min: 14	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: GILMAN

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	5 inches	42 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	42 inches	59 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C9	USGS40000056361	1/2 - 1 Mile SSW
H48	USGS40000056346	1/2 - 1 Mile SSE
K71	USGS40000056427	1/2 - 1 Mile ENE
92	USGS40000056322	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	AZ9000000004606	1/4 - 1/2 Mile ENE
A2	AZ90000000094673	1/4 - 1/2 Mile ENE
3	AZ90000000092385	1/2 - 1 Mile ENE
4	AZ9000000004607	1/2 - 1 Mile NE
B5	AZ9000000105950	1/2 - 1 Mile ENE
B6	AZ9000000078695	1/2 - 1 Mile ENE
B7	AZ9000000105952	1/2 - 1 Mile ENE
B8	AZ9000000105951	1/2 - 1 Mile ENE
D10	AZ9000000096709	1/2 - 1 Mile NE
D11	AZ9000000096710	1/2 - 1 Mile NE
E12	AZ9000000096691	1/2 - 1 Mile NE
E13	AZ9000000096692	1/2 - 1 Mile NE
14	AZ9000000079208	1/2 - 1 Mile SE
15	AZ9000000079209	1/2 - 1 Mile WNW
C16	AZDEQ1000002315	1/2 - 1 Mile SSW
F17	AZ9000000094873	1/2 - 1 Mile ENE
F18	AZ9000000094872	1/2 - 1 Mile ENE
F19	AZ9000000094871	1/2 - 1 Mile ENE
F20	AZ9000000096716	1/2 - 1 Mile ENE
F21	AZ9000000094875	1/2 - 1 Mile ENE
F22	AZ9000000094874	1/2 - 1 Mile ENE
F23	AZ9000000094870	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

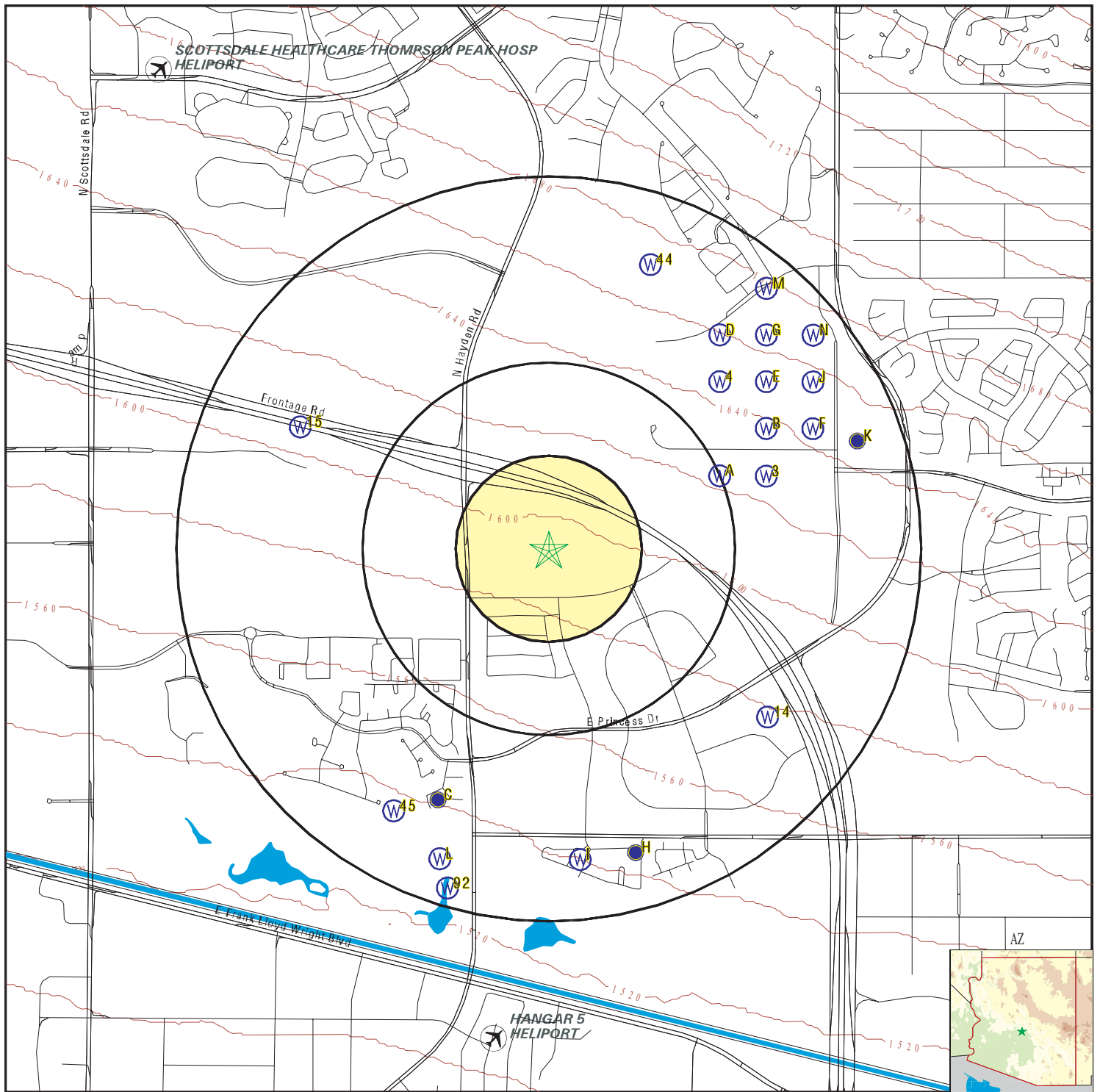
MAP ID	WELL ID	LOCATION FROM TP
F24	AZ9000000094866	1/2 - 1 Mile ENE
F25	AZ9000000094865	1/2 - 1 Mile ENE
F26	AZ9000000094864	1/2 - 1 Mile ENE
F27	AZ9000000094869	1/2 - 1 Mile ENE
F28	AZ9000000094868	1/2 - 1 Mile ENE
F29	AZ9000000094867	1/2 - 1 Mile ENE
F30	AZ9000000096717	1/2 - 1 Mile ENE
F31	AZ9000000105962	1/2 - 1 Mile ENE
F32	AZ9000000105961	1/2 - 1 Mile ENE
F33	AZ9000000105960	1/2 - 1 Mile ENE
F34	AZ9000000188936	1/2 - 1 Mile ENE
F35	AZ9000000188935	1/2 - 1 Mile ENE
F36	AZ9000000105963	1/2 - 1 Mile ENE
F37	AZ9000000105959	1/2 - 1 Mile ENE
F38	AZ9000000105955	1/2 - 1 Mile ENE
F39	AZ9000000105954	1/2 - 1 Mile ENE
F40	AZ9000000105953	1/2 - 1 Mile ENE
F41	AZ9000000105958	1/2 - 1 Mile ENE
F42	AZ9000000105957	1/2 - 1 Mile ENE
F43	AZ9000000105956	1/2 - 1 Mile ENE
44	AZ9000000068722	1/2 - 1 Mile NNE
45	AZ9000000129099	1/2 - 1 Mile SSW
G46	AZ9000000068721	1/2 - 1 Mile NE
G47	AZ9000000096708	1/2 - 1 Mile NE
I49	AZ9000000129097	1/2 - 1 Mile South
I50	AZ9000000193968	1/2 - 1 Mile South
J51	AZ9000000100376	1/2 - 1 Mile ENE
J52	AZ9000000100377	1/2 - 1 Mile ENE
J53	AZ9000000100375	1/2 - 1 Mile ENE
J54	AZ9000000022503	1/2 - 1 Mile ENE
J55	AZ9000000022504	1/2 - 1 Mile ENE
J56	AZ9000000100381	1/2 - 1 Mile ENE
J57	AZ9000000100382	1/2 - 1 Mile ENE
J58	AZ9000000100380	1/2 - 1 Mile ENE
J59	AZ9000000100378	1/2 - 1 Mile ENE
J60	AZ9000000100379	1/2 - 1 Mile ENE
J61	AZ9000000022502	1/2 - 1 Mile ENE
J62	AZ9000000022499	1/2 - 1 Mile ENE
J63	AZ9000000022498	1/2 - 1 Mile ENE
J64	AZ9000000022501	1/2 - 1 Mile ENE
J65	AZ9000000022500	1/2 - 1 Mile ENE
H66	AZDEQ1000001802	1/2 - 1 Mile SSE
K67	AZDEQ1000002324	1/2 - 1 Mile ENE
L68	AZ9000000044086	1/2 - 1 Mile SSW
L69	AZ9000000148868	1/2 - 1 Mile SSW
L70	AZDEQ1000001803	1/2 - 1 Mile SSW
M72	AZ9000000096703	1/2 - 1 Mile NE
M73	AZ9000000096704	1/2 - 1 Mile NE
M74	AZ9000000096702	1/2 - 1 Mile NE
M75	AZ9000000096700	1/2 - 1 Mile NE
M76	AZ9000000096701	1/2 - 1 Mile NE
M77	AZ9000000096711	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
M78	AZ9000000096712	1/2 - 1 Mile NE
M79	AZ9000000096707	1/2 - 1 Mile NE
M80	AZ9000000096705	1/2 - 1 Mile NE
M81	AZ9000000096706	1/2 - 1 Mile NE
N82	AZ9000000100276	1/2 - 1 Mile NE
N83	AZ9000000100277	1/2 - 1 Mile NE
N84	AZ9000000100275	1/2 - 1 Mile NE
N85	AZ9000000022497	1/2 - 1 Mile NE
N86	AZ9000000100274	1/2 - 1 Mile NE
N87	AZ9000000100281	1/2 - 1 Mile NE
N88	AZ9000000100374	1/2 - 1 Mile NE
N89	AZ9000000100280	1/2 - 1 Mile NE
N90	AZ9000000100278	1/2 - 1 Mile NE
N91	AZ9000000100279	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 5980005.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 71-Acres of Vacant Land
 ADDRESS: SEC of North Hayden Road and State Route 101
 Scottsdale AZ 85255
 LAT/LONG: 33.651315 / 111.904035

CLIENT: Ninyo & Moore
 CONTACT: Christian Lewallen
 INQUIRY #: 5980005.2s
 DATE: February 20, 2020 5:03 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
ENE
1/4 - 1/2 Mile
Higher

AZ WELLS AZ9000000004606

Database: Arizona Well Registration Database
Well Type: MONITOR
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 5
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 200984
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 608
Well Depth: 810
Casing Depth: 810
Casing Type: STEEL - PERFORATED OR SLOTTED CASING
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 20031028
Cadastral: A04004036ABA

A2
ENE
1/4 - 1/2 Mile
Higher

AZ WELLS AZ90000000094673

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 2 6
Water Level: 498
Casing Diameter: 18
RGR Pump Data: YES
Pump Power: ELECTRIC MOTOR > 100 HP
Tested Rate: 3079
Drill Log: X
Completion: X
Well Cancelled: Not Reported

Registry ID: 564034
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 215
Well Depth: 1303
Casing Depth: 1290
Casing Type: STEEL - PERFORATED OR SLOTTED CASING
Pump Type: TURBINE
Pump Rate: 2500
Draw Down: 132
Approved: 2002 726
Cadastral: A04004036ABA

3
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ90000000092385

Database: Arizona Well Registration Database
Well Type: MONITOR
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 418
Water Level: 519
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: NO POWER CODE LISTED
Tested Rate: 0

Registry ID: 561721
Owner Name: SCOTTSDALE, CITY OF,
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 314
Well Depth: 1030
Casing Depth: 0
Casing Type: NO CASING CODE LISTED
Pump Type: NO PUMP CODE LISTED
Pump Rate: 0
Draw Down: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Log: X
Completion: N
Well Cancelled: Not Reported

Approved: 0
Cadastral: A04004036AAB

**4
NE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000004607

Database: Arizona Well Registration Database
Well Type: MONITOR
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 5
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 200985
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 608
Well Depth: 780
Casing Depth: 780
Casing Type: STEEL - PERFORATED OR SLOTTED CASING
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 20031028
Cadastral: A04004025DCA

**B5
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ90000000105950

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 8 6
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 576201
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 176
Casing Depth: 166
Casing Type: PLASTIC OR PVC
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDC

**B6
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ90000000078695

Database: Arizona Well Registration Database
Well Type: MONITOR
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1995 123
Water Level: 0

Registry ID: 547276
Owner Name: SCOTTSDALE, CITY OF
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 473
Well Depth: 210
Casing Depth: 21

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Diameter: 5
RGR Pump Data: NO
Pump Power: NO POWER CODE LISTED
Tested Rate: 0
Drill Log: X
Completion: N
Well Cancelled: Not Reported

Casing Type: NO CASING CODE LISTED
Pump Type: NO PUMP CODE LISTED
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DDC

B7
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000105952**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 818
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 576203
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 176
Casing Depth: 166
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDC

B8
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000105951**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 827
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 576202
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 175
Casing Depth: 165
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDC

C9
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000056361**

Organization ID: USGS-AZ
Monitor Location: A-04-04 35DDD
Description: Not Reported

Organization Name: USGS Arizona Water Science Center
Type: Well
HUC: 15060106

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels, Number of Measurements:	2	Level reading date:	1946-04-26
Feet below surface:	302.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1946-04-01	Feet below surface:	302.00
Feet to sea level:	Not Reported	Note:	Not Reported

D10
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096709

Database:	Arizona Well Registration Database	Registry ID:	565525
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	1997 910	Well Depth:	179
Water Level:	0	Casing Depth:	169
Casing Diameter:	18	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	1999 712
Completion:	Not Reported	Cadastral:	A04004025DBD
Well Cancelled:	Not Reported		

D11
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096710

Database:	Arizona Well Registration Database	Registry ID:	565526
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	0	Well Depth:	179
Water Level:	0	Casing Depth:	169
Casing Diameter:	18	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	1999 712
Completion:	Not Reported	Cadastral:	A04004025DBD
Well Cancelled:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E12
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096691

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1995 323
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565507
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 7 9
Cadastral: A04004025DDB

E13
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096692

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1995 327
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565508
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 7 9
Cadastral: A04004025DDB

14
SE
1/2 - 1 Mile
Lower

AZ WELLS AZ9000000079208

Database: Arizona Well Registration Database
Well Type: MONITOR
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1995 6 7
Water Level: 464
Casing Diameter: 5
RGR Pump Data: NO
Pump Power: NO POWER CODE LISTED
Tested Rate: 0

Registry ID: 546989
Owner Name: SCOTTSDALE, CITY OF,
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 473
Well Depth: 900
Casing Depth: 21
Casing Type: NO CASING CODE LISTED
Pump Type: NO PUMP CODE LISTED
Pump Rate: 0
Draw Down: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Log: X
Completion: N
Well Cancelled: Not Reported

Approved: 0
Cadastral: A04004036DAC

**15
WNW
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000079209

Database: Arizona Well Registration Database
Well Type: MONITOR
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1995 523
Water Level: 480
Casing Diameter: 5
RGR Pump Data: NO
Pump Power: NO POWER CODE LISTED
Tested Rate: 0
Drill Log: X
Completion: N
Well Cancelled: Not Reported

Registry ID: 546990
Owner Name: SCOTTSDALE, CITY OF,
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 473
Well Depth: 800
Casing Depth: 21
Casing Type: NO CASING CODE LISTED
Pump Type: NO PUMP CODE LISTED
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004026DCC

**C16
SSW
1/2 - 1 Mile
Lower**

AZ WELLS AZDEQ1000002315

Database: Water Well Information
DEQ Well #: 11059
Agency Well #: 11059
Station Alt Name: A-04-04 35DDD
Drill Depth: 0
Basin: PHX
Well Type: W
Water Use: V

DWR #: Not Reported
Agency: ADEQ
Location Descrip: Not Reported
Well Depth: 0
Start Date: 0
Notes: Not Reported
Aquifer Type: Not Reported
Watershed: MIDDLE GILA

**F17
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000094873

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 815
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported

Registry ID: 565543
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 177
Casing Depth: 167
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Cancelled: Not Reported

**F18
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000094872

Database:	Arizona Well Registration Database	Registry ID:	565542
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	1997 818	Well Depth:	171
Water Level:	0	Casing Depth:	161
Casing Diameter:	18	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	1999 712
Completion:	Not Reported	Cadastral:	A04004025DDD
Well Cancelled:	Not Reported		

**F19
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000094871

Database:	Arizona Well Registration Database	Registry ID:	565541
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	1997 821	Well Depth:	173
Water Level:	0	Casing Depth:	163
Casing Diameter:	18	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	1999 712
Completion:	Not Reported	Cadastral:	A04004025DDD
Well Cancelled:	Not Reported		

**F20
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000096716

Database:	Arizona Well Registration Database	Registry ID:	565532
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	1997 811	Well Depth:	175
Water Level:	0	Casing Depth:	165
Casing Diameter:	18	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

F21
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000094875**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 820
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565545
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 173
Casing Depth: 163
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

F22
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000094874**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 822
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565544
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 171
Casing Depth: 161
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

F23
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000094870**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55

Registry ID: 565540
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Installed: 1997 811
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Well Depth: 176
Casing Depth: 166
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

F24
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000094866

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 731
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565536
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 177
Casing Depth: 167
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

F25
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000094865

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 8 2
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565535
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 177
Casing Depth: 167
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F26
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000094864

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 8 5
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565534
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 171
Casing Depth: 161
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

F27
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000094869

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 812
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565539
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 179
Casing Depth: 169
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

F28
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000094868

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 813
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0

Registry ID: 565538
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 176
Casing Depth: 166
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Approved: 1999 712
Cadastral: A04004025DDD

F29
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000094867**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 815
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565537
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 175
Casing Depth: 165
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

F30
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000096717**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 8 8
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565533
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 173
Casing Depth: 163
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DDD

F31
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000105962**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 922
Water Level: 0

Registry ID: 576213
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 178
Casing Depth: 168

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDD

**F32
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000105961

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 921
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 576212
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 170
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDD

**F33
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000105960

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 917
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 576211
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 170
Casing Type: PLASTIC OR PVC
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDD

**F34
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000188936

Database: Arizona Well Registration Database
Well Type: MONITOR
Basin: PHOENIX AMA

Registry ID: 903365
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	161
Installed:	0	Well Depth:	580
Water Level:	554	Casing Depth:	575
Casing Diameter:	6	Casing Type:	PLASTIC OR PVC
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	20051017
Completion:	Not Reported	Cadastral:	A04004025DDD
Well Cancelled:	Not Reported		

F35
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000188935

Database:	Arizona Well Registration Database	Registry ID:	903364
Well Type:	MONITOR	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	161
Installed:	0	Well Depth:	700
Water Level:	525	Casing Depth:	680
Casing Diameter:	6	Casing Type:	PLASTIC OR PVC
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	20051017
Completion:	Not Reported	Cadastral:	A04004025DDD
Well Cancelled:	Not Reported		

F36
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000105963

Database:	Arizona Well Registration Database	Registry ID:	576214
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	1997 825	Well Depth:	176
Water Level:	0	Casing Depth:	166
Casing Diameter:	18	Casing Type:	PLASTIC OR PVC
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	1999 712
Completion:	Not Reported	Cadastral:	A04004025DDD
Well Cancelled:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F37
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000105959

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 917
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 576210
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 170
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDD

F38
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000105955

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 925
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 576206
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 170
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDD

F39
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000105954

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 924
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0

Registry ID: 576205
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 170
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Approved: 1999 716
Cadastral: A04004025DDD

**F40
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000105953

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 923
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 576204
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 170
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDD

**F41
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000105958

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 917
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 576209
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 172
Casing Depth: 162
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDD

**F42
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000105957

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 928
Water Level: 0

Registry ID: 576208
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 170

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDD

F43
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000105956

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 925
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 576207
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 170
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 716
Cadastral: A04004025DDD

44
NNE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000068722

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 19921218
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: NO POWER CODE LISTED
Tested Rate: 0
Drill Log: X
Completion: N
Well Cancelled: Not Reported

Registry ID: 537637
Owner Name: SCOTTSDALE, CITY OF,
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 473
Well Depth: 360
Casing Depth: 0
Casing Type: NO CASING CODE LISTED
Pump Type: NO PUMP CODE LISTED
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025000

45
SSW
1/2 - 1 Mile
Lower

AZ WELLS AZ9000000129099

Database: Arizona Well Registration Database
Well Type: NON-EXEMPT
Basin: PHOENIX AMA

Registry ID: 612429
Owner Name: MARLEY,K
Subbasin: EAST SALT RIVER VALLEY

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	0
Installed:	0	Well Depth:	0
Water Level:	0	Casing Depth:	0
Casing Diameter:	0	Casing Type:	NO CASING CODE LISTED
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	Not Reported	Approved:	0
Completion:	Not Reported	Cadastral:	A04004035DDC
Well Cancelled:	Not Reported		

G46
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000068721

Database:	Arizona Well Registration Database	Registry ID:	537636
Well Type:	MONITOR	Owner Name:	SCOTTSDALE, CITY OF,
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	473
Installed:	19921222	Well Depth:	540
Water Level:	0	Casing Depth:	540
Casing Diameter:	10	Casing Type:	PLASTIC OR PVC
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	0
Completion:	N	Cadastral:	A04004025DAC
Well Cancelled:	Not Reported		

G47
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096708

Database:	Arizona Well Registration Database	Registry ID:	565524
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	0	Well Depth:	179
Water Level:	0	Casing Depth:	169
Casing Diameter:	18	Casing Type:	PLASTIC OR PVC
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	1999 712
Completion:	Not Reported	Cadastral:	A04004025DAC
Well Cancelled:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

H48
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000056346

Organization ID:	USGS-AZ	Organization Name:	USGS Arizona Water Science Center
Monitor Location:	A-03-04 01BAA	Type:	Well
Description:	Not Reported	HUC:	15060106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	600	Well Depth Units:	ft
Well Hole Depth:	600	Well Hole Depth Units:	ft

Ground water levels, Number of Measurements:	2	Level reading date:	1966-08-24
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The well was destroyed (no water level is recorded).		
Level reading date:	1946-03-24	Feet below surface:	400.00
Feet to sea level:	Not Reported	Note:	Not Reported

I49
South
1/2 - 1 Mile
Lower

AZ WELLS AZ9000000129097

Database:	Arizona Well Registration Database	Registry ID:	612427
Well Type:	NON-EXEMPT	Owner Name:	GLENEAGLES AT THE PRINCESS RESORT LLC
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	473
Installed:	0	Well Depth:	250
Water Level:	0	Casing Depth:	250
Casing Diameter:	6	Casing Type:	STEEL - PERFORATED OR SLOTTED CASING
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	Not Reported	Approved:	0
Completion:	A	Cadastral:	A03004001BAB
Well Cancelled:	Y		

I50
South
1/2 - 1 Mile
Lower

AZ WELLS AZ9000000193968

Database:	Arizona Well Registration Database	Registry ID:	807643
Well Type:	EXEMPT	Owner Name:	GLENEAGLES AT THE PRINCESS RESORT LLC
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	473
Installed:	0	Well Depth:	250
Water Level:	0	Casing Depth:	250
Casing Diameter:	6	Casing Type:	OTHER - BLACK STEEL - IRON - SEAMLESS
RGR Pump Data:	NO	Pump Type:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pump Power: Not Reported
Tested Rate: 0
Drill Log: Not Reported
Completion: A
Well Cancelled: Y

Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A03004001BAB

**J51
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000100376

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: Not Reported
Completion: Not Reported
Well Cancelled: Y

Registry ID: 570772
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: Not Reported
Well Depth: 0
Casing Depth: 0
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DDA

**J52
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000100377

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: Not Reported
Completion: Not Reported
Well Cancelled: Y

Registry ID: 570773
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: Not Reported
Well Depth: 0
Casing Depth: 0
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DDA

**J53
ENE
1/2 - 1 Mile
Higher**

AZ WELLS AZ9000000100375

Database: Arizona Well Registration Database
Well Type: EXEMPT
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55

Registry ID: 570771
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Installed: 0
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: Not Reported
Completion: Not Reported
Well Cancelled: Y

Well Depth: 0
Casing Depth: 0
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DDA

J54
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000022503

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 14
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 221202
Owner Name: CITY OF SCOTTSDALE WATER RESOURCES
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180
Casing Type: PLASTIC OR PVC
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 20111215
Cadastral: A04004025DDA

J55
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000022504

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 14
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 221203
Owner Name: CITY OF SCOTTSDALE WATER RESOURCES
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180
Casing Type: PLASTIC OR PVC
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 20111215
Cadastral: A04004025DDA

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

J56
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000100381

Database:	Arizona Well Registration Database	Registry ID:	570777
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	Not Reported
Installed:	0	Well Depth:	0
Water Level:	0	Casing Depth:	0
Casing Diameter:	0	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	Not Reported	Approved:	0
Completion:	Not Reported	Cadastral:	A04004025DDA
Well Cancelled:	Y		

J57
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000100382

Database:	Arizona Well Registration Database	Registry ID:	570778
Well Type:	OTHER	Owner Name:	Not Reported
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	Not Reported
Installed:	0	Well Depth:	0
Water Level:	0	Casing Depth:	0
Casing Diameter:	0	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	Not Reported	Approved:	0
Completion:	Not Reported	Cadastral:	A04004025DDA
Well Cancelled:	Y		

J58
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000100380

Database:	Arizona Well Registration Database	Registry ID:	570776
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	Not Reported
Installed:	0	Well Depth:	0
Water Level:	0	Casing Depth:	0
Casing Diameter:	0	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Log:	Not Reported	Approved:	0
Completion:	Not Reported	Cadastral:	A04004025DDA
Well Cancelled:	Y		

J59
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000100378**

Database:	Arizona Well Registration Database	Registry ID:	570774
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	Not Reported
Installed:	0	Well Depth:	0
Water Level:	0	Casing Depth:	0
Casing Diameter:	0	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	Not Reported	Approved:	0
Completion:	Not Reported	Cadastral:	A04004025DDA
Well Cancelled:	Y		

J60
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000100379**

Database:	Arizona Well Registration Database	Registry ID:	570775
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	Not Reported
Installed:	0	Well Depth:	0
Water Level:	0	Casing Depth:	0
Casing Diameter:	0	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	Not Reported	Approved:	0
Completion:	Not Reported	Cadastral:	A04004025DDA
Well Cancelled:	Y		

J61
ENE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000022502**

Database:	Arizona Well Registration Database	Registry ID:	221201
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE WATER RESOURCES
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	0	Well Depth:	180
Water Level:	0	Casing Depth:	180

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Diameter: 14
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Casing Type: PLASTIC OR PVC
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 20111215
Cadastral: A04004025DDA

J62
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000022499

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 14
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 221198
Owner Name: CITY OF SCOTTSDALE WATER RESOURCES
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180
Casing Type: PLASTIC OR PVC
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 20111215
Cadastral: A04004025DDA

J63
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000022498

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 14
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 221197
Owner Name: CITY OF SCOTTSDALE WATER RESOURCES
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180
Casing Type: PLASTIC OR PVC
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 20111215
Cadastral: A04004025DDA

J64
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000022501

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA

Registry ID: 221200
Owner Name: CITY OF SCOTTSDALE WATER RESOURCES
Subbasin: EAST SALT RIVER VALLEY

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	0	Well Depth:	180
Water Level:	0	Casing Depth:	180
Casing Diameter:	14	Casing Type:	PLASTIC OR PVC
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	20111215
Completion:	Not Reported	Cadastral:	A04004025DDA
Well Cancelled:	Not Reported		

J65
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000022500

Database:	Arizona Well Registration Database	Registry ID:	221199
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE WATER RESOURCES
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	0	Well Depth:	180
Water Level:	0	Casing Depth:	180
Casing Diameter:	14	Casing Type:	PLASTIC OR PVC
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	20111215
Completion:	Not Reported	Cadastral:	A04004025DDA
Well Cancelled:	Not Reported		

H66
SSE
1/2 - 1 Mile
Lower

AZ WELLS AZDEQ1000001802

Database:	Water Well Information	DWR #:	Not Reported
DEQ Well #:	10546	Agency:	ADEQ
Agency Well #:	10546	Location Descrip:	Not Reported
Station Alt Name:	A-03-04 01BAA	Well Depth:	600
Drill Depth:	600	Start Date:	0
Basin:	PHX	Notes:	Destroyed.
Well Type:	W	Aquifer Type:	Not Reported
Water Use:	V	Watershed:	MIDDLE GILA

K67
ENE
1/2 - 1 Mile
Higher

AZ WELLS AZDEQ1000002324

Database:	Water Well Information	DWR #:	Not Reported
DEQ Well #:	11068	Agency:	ADEQ
Agency Well #:	11068	Location Descrip:	Not Reported
Station Alt Name:	A-04-05 30CCC	Well Depth:	406
Drill Depth:	406	Start Date:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin:	PHX	Notes:	Not Reported
Well Type:	W	Aquifer Type:	Not Reported
Water Use:	U	Watershed:	MIDDLE GILA

L68
SSW
1/2 - 1 Mile
Lower

AZ WELLS AZ9000000044086

Database:	Arizona Well Registration Database	Registry ID:	512746
Well Type:	NON-EXEMPT	Owner Name:	BUREAU OF RECLAM,
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	0
Installed:	0	Well Depth:	0
Water Level:	0	Casing Depth:	0
Casing Diameter:	0	Casing Type:	NO CASING CODE LISTED
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	Not Reported	Approved:	0
Completion:	Not Reported	Cadastral:	A03004002AAA
Well Cancelled:	Y		

L69
SSW
1/2 - 1 Mile
Lower

AZ WELLS AZ90000000148868

Database:	Arizona Well Registration Database	Registry ID:	617023
Well Type:	NON-EXEMPT	Owner Name:	BUREAU OF RECLAM,
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	0
Installed:	1975 1 1	Well Depth:	1560
Water Level:	280	Casing Depth:	1518
Casing Diameter:	20	Casing Type:	STEEL - PERFORATED OR SLOTTED CASING
RGR Pump Data:	YES	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	2089
Tested Rate:	2089	Draw Down:	0
Drill Log:	Not Reported	Approved:	0
Completion:	Not Reported	Cadastral:	A03004002AAA
Well Cancelled:	Not Reported		

L70
SSW
1/2 - 1 Mile
Lower

AZ WELLS AZDEQ1000001803

Database:	Water Well Information	DWR #:	55-617023
DEQ Well #:	10547	Agency:	ADEQ
Agency Well #:	10547	Location Descrip:	Not Reported
Station Alt Name:	A-03-04 02AAA	Well Depth:	1560
Drill Depth:	1560	Start Date:	1970 1 1
Basin:	PHX	Notes:	Not Reported
Well Type:	W	Aquifer Type:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Use:

V

Watershed:

MIDDLE GILA

K71
ENE
1/2 - 1 Mile
Higher

FED USGS

USGS40000056427

Organization ID: USGS-AZ
Monitor Location: A-04-05 30CCC
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Not Reported
Aquifer Type: Not Reported
Well Depth: 406
Well Hole Depth: Not Reported

Organization Name: USGS Arizona Water Science Center
Type: Well
HUC: 15060106
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported
Formation Type: Not Reported
Construction Date: Not Reported
Well Depth Units: ft
Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 2
Feet below surface: Not Reported
Note: An obstruction was encountered in the well above the water surface (no water level recorded).

Level reading date: 1991-11-27
Feet to sea level: Not Reported

Level reading date: 1984-02-28
Feet to sea level: Not Reported
Note: The site was dry (no water level recorded).

M72
NE
1/2 - 1 Mile
Higher

AZ WELLS

AZ9000000096703

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565519
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 178
Casing Depth: 168
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 7 9
Cadastral: A04004025DAB

M73
NE
1/2 - 1 Mile
Higher

AZ WELLS

AZ9000000096704

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 199710 7

Registry ID: 565520
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Casing Depth: 170
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DAB

M74
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096702

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 199710 6
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565518
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 178
Casing Depth: 168
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 7 9
Cadastral: A04004025DAB

M75
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096700

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 199710 2
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565516
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 178
Casing Depth: 168
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 7 9
Cadastral: A04004025DAB

M76
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096701

Database: Arizona Well Registration Database
Well Type: OTHER

Registry ID: 565517
Owner Name: CITY OF SCOTTSDALE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	199710 4	Well Depth:	178
Water Level:	0	Casing Depth:	168
Casing Diameter:	18	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	1999 7 9
Completion:	Not Reported	Cadastral:	A04004025DAB
Well Cancelled:	Not Reported		

M77
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096711

Database:	Arizona Well Registration Database	Registry ID:	565527
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	1997 9 9	Well Depth:	163
Water Level:	0	Casing Depth:	153
Casing Diameter:	18	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	1999 712
Completion:	Not Reported	Cadastral:	A04004025DAB
Well Cancelled:	Not Reported		

M78
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096712

Database:	Arizona Well Registration Database	Registry ID:	565528
Well Type:	OTHER	Owner Name:	CITY OF SCOTTSDALE
Basin:	PHOENIX AMA	Subbasin:	EAST SALT RIVER VALLEY
Watershed:	SALT RIVER	AMA or INA:	PHOENIX
Program:	55	Driller License #:	363
Installed:	1997 9 4	Well Depth:	170
Water Level:	0	Casing Depth:	160
Casing Diameter:	18	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	1999 712
Completion:	Not Reported	Cadastral:	A04004025DAB
Well Cancelled:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

M79
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096707

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 916
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565523
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 170
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DAB

M80
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096705

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 918
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 565521
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 179
Casing Depth: 169
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 1999 712
Cadastral: A04004025DAB

M81
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000096706

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1997 917
Water Level: 0
Casing Diameter: 18
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0

Registry ID: 565522
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 179
Casing Depth: 169
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Approved: 1999 712
Cadastral: A04004025DAB

N82
NE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000100276**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 570764
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180
Casing Type: NO CASING CODE LISTED
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DAD

N83
NE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000100277**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 199810 1
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 570765
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180
Casing Type: NO CASING CODE LISTED
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DAD

N84
NE
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000100275**

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 917
Water Level: 0

Registry ID: 570763
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Casing Type: NO CASING CODE LISTED
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DAD

N85
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000022497

Database: Arizona Well Registration Database
Well Type: MONITOR
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 14
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 221196
Owner Name: CITY OF SCOTTSDALE WATER RESOURCES
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180
Casing Type: PLASTIC OR PVC
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 20111215
Cadastral: A04004025DAD

N86
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000100274

Database: Arizona Well Registration Database
Well Type: NON-EXEMPT
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 1998 929
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 570762
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 180
Casing Depth: 180
Casing Type: NO CASING CODE LISTED
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DAD

N87
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000100281

Database: Arizona Well Registration Database
Well Type: EXEMPT
Basin: PHOENIX AMA

Registry ID: 570769
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: Not Reported
Completion: Not Reported
Well Cancelled: Y

AMA or INA: PHOENIX
Driller License #: Not Reported
Well Depth: 0
Casing Depth: 0
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DAD

N88
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000100374

Database: Arizona Well Registration Database
Well Type: EXEMPT
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: Not Reported
Completion: Not Reported
Well Cancelled: Y

Registry ID: 570770
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: Not Reported
Well Depth: 0
Casing Depth: 0
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DAD

N89
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000100280

Database: Arizona Well Registration Database
Well Type: EXEMPT
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: Not Reported
Completion: Not Reported
Well Cancelled: Y

Registry ID: 570768
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: Not Reported
Well Depth: 0
Casing Depth: 0
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DAD

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

N90
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000100278

Database: Arizona Well Registration Database
Well Type: OTHER
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 199810 5
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: X
Completion: Not Reported
Well Cancelled: Not Reported

Registry ID: 570766
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: 363
Well Depth: 165
Casing Depth: 165
Casing Type: NO CASING CODE LISTED
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DAD

N91
NE
1/2 - 1 Mile
Higher

AZ WELLS AZ9000000100279

Database: Arizona Well Registration Database
Well Type: EXEMPT
Basin: PHOENIX AMA
Watershed: SALT RIVER
Program: 55
Installed: 0
Water Level: 0
Casing Diameter: 0
RGR Pump Data: NO
Pump Power: Not Reported
Tested Rate: 0
Drill Log: Not Reported
Completion: Not Reported
Well Cancelled: Y

Registry ID: 570767
Owner Name: CITY OF SCOTTSDALE
Subbasin: EAST SALT RIVER VALLEY
AMA or INA: PHOENIX
Driller License #: Not Reported
Well Depth: 0
Casing Depth: 0
Casing Type: Not Reported
Pump Type: Not Reported
Pump Rate: 0
Draw Down: 0
Approved: 0
Cadastral: A04004025DAD

92
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000056322

Organization ID: USGS-AZ
Monitor Location: A-03-04 02AAA
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Not Reported
Aquifer Type: Not Reported
Well Depth: 1560
Well Hole Depth: 1560

Organization Name: USGS Arizona Water Science Center
Type: Well
HUC: 15060106
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported
Formation Type: Not Reported
Construction Date: 19700101
Well Depth Units: ft
Well Hole Depth Units: ft

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground water levels, Number of Measurements: 1
Feet below surface: 312.50
Note: Not Reported

Level reading date: 1970-01-01
Feet to sea level: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: AZ Radon

Radon Test Results (pCi/L)

Zip	City	Result (pCi/L)
85255	SCOTTSDALE	= 1.20
85255	SCOTTSDALE	= 1.40
85255	SCOTTSDALE	= 1.90
85255	SCOTTSDALE	= 2.40
85255	SCOTTSDALE	= 4.80
85255	SCOTTSDALE	= 4.90
85255	SCOTTSDALE	= 5.40
85255	SCOTTSDALE	= 7.00

Federal EPA Radon Zone for MARICOPA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for MARICOPA COUNTY, AZ

Number of sites tested: 695

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.697 pCi/L	93%	7%	0%
Living Area - 2nd Floor	3.640 pCi/L	80%	20%	0%
Basement	2.242 pCi/L	79%	21%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters

Source: State Land Department

Telephone: 602-542-4094

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Arizona Well Registration Database

Source: Department of Water Resources

Telephone: 602-771-8535

The Wells database contains all wells registered in the state.

Water Well Information

Agency: Department of Environmental Quality

Telephone: 602-771-2300

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Arizona Geological Survey

Telephone: 520-770-3500

This database contains Oil and Gas wells in the State of Arizona. Includes all wells that have been permitted by the State Oil and Gas Conservation Commission (OGCC). Gas wells include natural gas, helium, and carbon dioxide wells.

RADON

State Database: AZ Radon

Source: Arizona Radiation Regulatory Agency

Telephone: 602-255-4845

State Indoor Radon Survey

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Appendix H -

Vapor Encroachment Screening Matrix

Phase I ESA Vapor Encroachment Conditions (VEC) matrix includes a (1) Search Radius Test, (2) Chemicals of Concern Test (COC), and (3) a Critical Distance Test [1].

(1) Search Radius Test: Are there any known or suspect contaminated properties in the primary area of concern within the corresponding search radii (including the site)?

☐ Yes ☒ No If **No**, then screening for a VEC is complete and no VEC *currently* exists, go to #4. If **Yes**, then:

(2) Chemicals of Concern Test: Are COC likely to be present within the area of concern for those known or suspect contaminated sites identified based on the Search Distance Test?

☐ Yes ☐ No If **No**, then screening for a VEC is complete and no VEC *currently* exists, go to #4. If **Yes**, then:

(3) Critical Distance Test*: A plume test to determine whether or not COC in the contaminated plume(s) may be within the critical distance.

- ☐ Yes ☐ No (3a) Is information related to the contaminated(s) plume available (i.e. iso-concentration maps, site drawings, etc.)?
 (3b) If **No**, then a VEC cannot be ruled out; check **Yes** in #4 below indicating it is likely a VEC exists. If **Yes**, then:
 (3c) Is the site less than 100 feet to the nearest edge of a contaminated [non-petroleum hydrocarbon] plume(s)? If **Yes**, then check **Yes** in #4 below indicating it is likely a VEC exists.
☐ Yes ☐ No (3d) Is the site less than 30 feet to the nearest edge of a dissolved petroleum hydrocarbon plume(s)? If **Yes**, then check **Yes** in #4 below indicating it is likely a VEC exists.

*If the distance from the nearest edge of a contaminated plume to the nearest existing or planned structure on the site is less than 100 feet for non-petroleum hydrocarbon COC, or less than 30 feet for dissolved petroleum hydrocarbons, then it is presumed that a VEC *currently* exists beneath the site. If the distance from the nearest edge of the contaminated plume is greater than or equal to 100 feet for non-petroleum hydrocarbons, or 30 feet for dissolved petroleum hydrocarbon chemicals of concern, then it is presumed unlikely that a VEC *currently* exists beneath the site.

(4) Is it likely that a VEC *currently* exists beneath the site?

☐ Yes ☒ No If **No**, then the VEC screening is complete and no further investigation is recommended at this time. If **Yes**, Ninyo & Moore recommends performing additional assessment, such as a Tier 2 VEC assessment according to ASTM E 2600-15.

[1] Based on guidance presented in the ASTM E 2600-15 Standard.